

JVC

SERVICE MANUAL

PDP COLOR TELEVISION

PD-42X776/s

BASIC CHASSIS

FP3



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SPECIFICATION

Items		Contents
Dimensions (W × H × D)		116 cm × 73.1 cm × 10.8 cm (41-1/4" × 31-1/8" × 12-7/8") [with the stand] 104.5 cm × 72.9 cm × 11 cm (41-1/4" × 28-3/4" × 4-3/8") [without the stand]
Mass		48.5 kg (106.7 lbs) [with the stand] 38.1 kg (83.9 lbs) [without the stand]
TV RF System (Analog / Digital)	Analog Digital	CCIR (M) ATSC terrestrial / Digital cable
Color System (Analog)		NTSC
Stereo System (Analog)		BTSC (Multi Channel Sound)
Teletext System (Analog)		Closed caption (T1-T4 / CC1-CC4)
TV Receiving Channels and Frequency (Analog)	VHF Low VHF High UHF CATV	02 ch - 06 ch : 54 MHz - 88 MHz 07 ch - 13 ch : 174 MHz - 216MHz 14 ch - 69ch : 470MHz - 806MHz 54 MHz - 804 MHz Low Band : 02 - 06 High Band : 07 - 13 Mid Band : 14 - 22 Super Band : 23 - 36 Hyper Band : 37 - 64 Ultra Band : 65 - 94, 100 - 135 Sub Mid Band : 01, 96 - 99
TV / CATV Total Channel		191 Channels
Intermediate Frequency (Analog)	Video IF Sound IF	45.75 MHz 41.25 MHz (4.5MHz)
Color Sub Carrier Frequency (Analog)		3.58 MHz
Power Input		AC120 V, 60 Hz
Power Consumption		390 W
Plasma Display Panel (PDP)		42 V wide aspect (16:9)
Screen Size		Diagonal : 107.5 cm (H:93.4 cm × V : 53.2 cm)
Display Pixels		Horizontal : 1024 pixels × Vertical : 768 pixels (XGA)
Audio Power Output		10 W + 10 W
Speaker		6.6 cm round × 4 (Oblique cone)
Antenna terminal (VHF/UHF, ATSC / DIGITAL CABLE IN)		F-type connector, 75Ω unbalanced, coaxial × 2
Video / Audio Input [INPUT-1/2/3/4]	Component Video [INPUT-1/2] 1125i / 750p 525p / 525i S-Video [INPUT-1/3/4] Video Audio	RCA pin jack × 6 Y : 1V (p-p) (Sync signal: 0.35V(p-p), 3-value sync.), 75 Ω Pb/Pr : ±0.35 V(p-p), 75 Ω Y : 1V (p-p), positive (Negative sync), 75 Ω Pb/Pr : 0.7 V(p-p), 75 Ω Mini-DIN 4 pin × 3 Y: 1V (p-p), positive (Negative sync), 75 Ω C: 0.286V (p-p) (Burst signal), 75 Ω 1V (p-p), positive (Negative sync), 75 Ω, RCA pin jack × 4 500mV (rms), high impedance, RCA pin jack × 8
Digital Input	Video Audio	HDMI connector × 1 (Digital-input terminal is not compatible with picture signals of computer signal) Digital: HDMI connector × 1 Analog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2
Audio Output	Variable Fix	RCA pin jack × 2 More than 0 to 1000mV (rms) (+2.2 dBs) 500mV(rms), (-4dBs), low impedance (400Hz when modulated 100%)
Monitor / Recording Output	S-Video Video Audio	Mini-DIN 4pin × 1 Y: 1V (p-p), 75 Ω C: 0.286V(p-p) (burst signal), 75 Ω 1V (p-p), 75Ω, RCA pin jack × 1 250mV(rms) (-10 dBs), Fs-18dB low impedance, RCA pin jack × 2
PC (RGB) Input		D-sub 15 pin × 1 R/G/B : 0.7 V (p-p), 75 Ω HD / VD : 1 V (p-p) to 5 V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5 kHz / Vertical : 60 Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4 kHz / Vertical : 60 Hz)
iLink Input/Output		TS In/Out (4-pin, S400) × 2, IEEE1394 compliant DTCP digital copy protection compatible
Center Channel Input		500 mV(rms) (-4 dBs), high impedance, RCA pin jack × 1
Digital Audio Optical Output		Digital SPDIF × 1
AV COMPULINK III		3.5 mm mini jack × 1
Remote Control Unit		RM-C14G (AA/R6 / UM-3 battery × 2)

Design & specifications are subject to change without notice.

SECTION 1

PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND, the ISOLATED (NEUTRAL) : (\equiv) side GND and EARTH : (\oplus) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) If any repair has been made to the chassis, it is recommended that the PDP POWER SUPPLY setting should be checked or adjusted.
- (6) The high voltage applied to the PDP must conform with that specified in Service manual. Excessive high voltage can cause an increase in arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper components in the circuitry including the PDP must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k Ω 2W resistor to the anode button.
- (8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead

dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(9) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

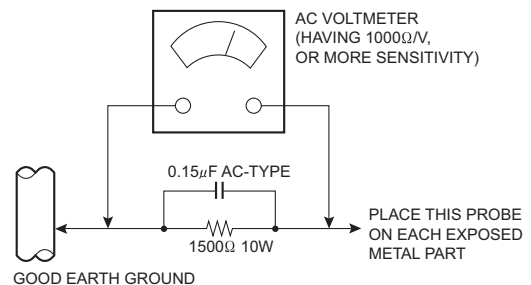
b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 Ω per volt or more sensitivity in the following manner. Connect a 1500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 INSTALLATION

1.2.1 HEAT DISSIPATION

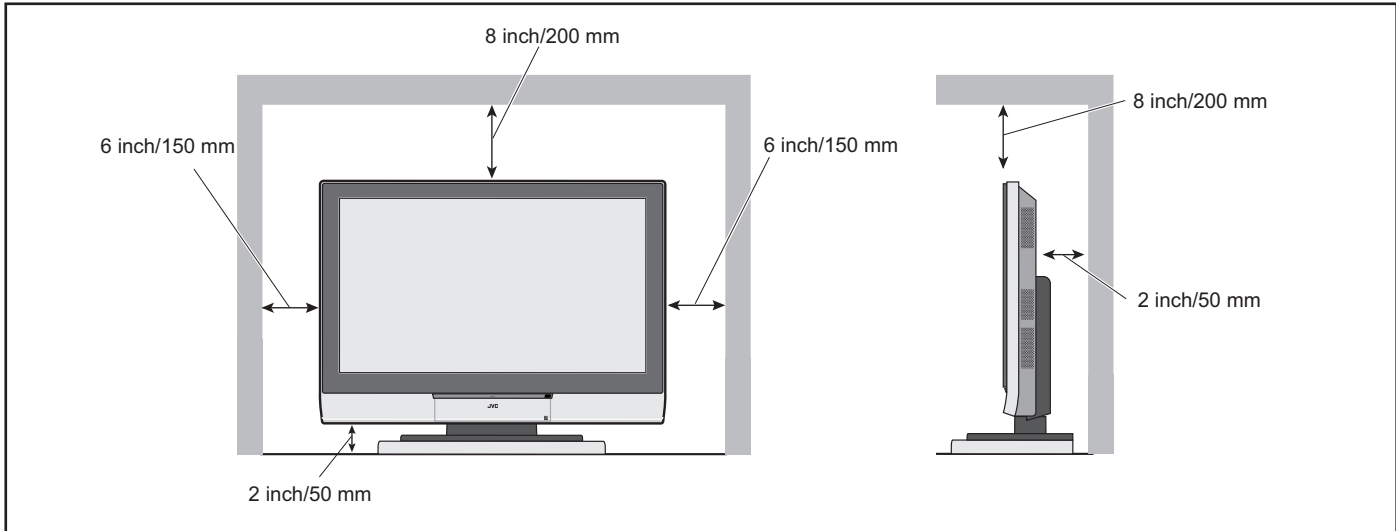
If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.

Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands. Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

SPACE REQUIRED FOR INSTALLATION



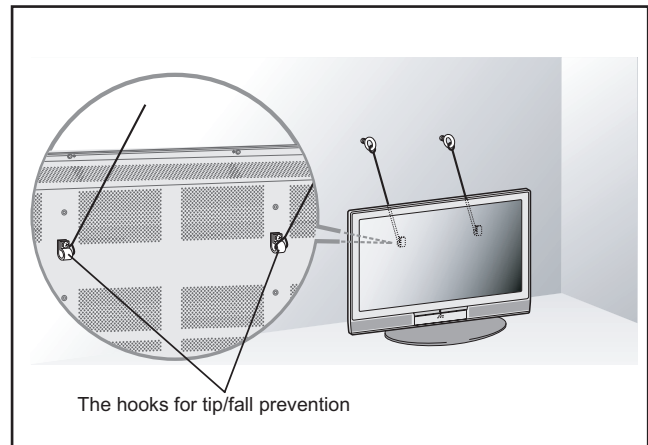
1.2.3 FALL TIP PREVENTION MEASURES

Take precautionary measures to prevent the unit from falling or tipping, and to protect against emergencies such as earthquakes as well as accidents.

Fasten the fall tip prevention hooks on the back of the display with the screws, and secure the unit to a robust part such as the wall surface or pillars with durable cords.

NOTE:

The hooks and screws are not supplied with this model.



1.3 PRECAUTIONS REGARDING PDP

1.3.1 PRECAUTIONS DURING NOTES FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal PDP (Plasma Display Panel) due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention prior to delivery such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the PDP of this unit is made of glass and therefore fragile:

(1) Avoid vibrations and impacts

The unit may be broken if it is toppled sideways even when properly packed. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(2) Do not place equipment horizontally

Ensure that it is placed upright and not horizontally during transportation and storage as the PDP is very vulnerable to lateral impacts and may break easily under such circumstances.

During transportation, ensure that the unit is loaded along the traveling direction of travel of the vehicle, and avoid stacking them on one another.

For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 RESIDUAL IMAGE / BURN-IN ON SCREEN

Like CRTs, "burn-in" may occur when a same image is continuously displayed over an extended period of time.

As this may also shorten the life span of the PDP. Therefore, turn off the display when not in use, scroll the screen, make use of screen-savers, or allow even distribution on the display by inverting the brightness, switching to complementary colors or inserting animated images at periodic intervals.

As burn-in is more likely to occur with high brightness and contrast settings, try to use neutral gradations or medium tone colors.

Burn-in does not occur in the case of animated images.

When switching to another image after continuous display of the previous image, residual images may become prominent, as luminance in a part of the display is higher than the other parts.

This is not a defect but is because due to the discharge surface of the lighted portion has become being relatively activated and its luminance higher than the unlighted parts.

1.3.3 INFRARED RAYS

Near Near-infrared rays (800nm to 1000nm) are emitted from the front of the panel, and this may give rise to malfunctions in infrared remote controls or communication systems placed near it. In this case, avoid direct infrared rays (and reflected rays in some cases) from the screen by either changing the direction of the unit or other infrared systems or securing a longer keeping a distance from the screen.

1.3.4 OPTICAL FILTER (PANEL FILTER)

Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and color.

Clean the filter surface by wiping it softly lightly with outing flannels a soft and lightly fuzz cloth (such as flannel).

Do not use solvents such as benzine or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off.

As the filter surface is fragile., do not scratch or hit it with hard materials.

1.3.5 NOTES PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (back REAR COVER, FRONT PANEL, optical filter)

- Do not exert pressure on the front of the PDP (glass surface).
- Pay careful attention not to scratch or stain the front of the PDP (surface) with hands.
- When replacing exterior parts, the front of the PDP should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front surface. However, never use materials that are too soft (such as blanket cloth). If replacement is made with the PDP surface facing downward and in contact with the blanket, pressure may be exerted on the PDP, thus causing damages to it.

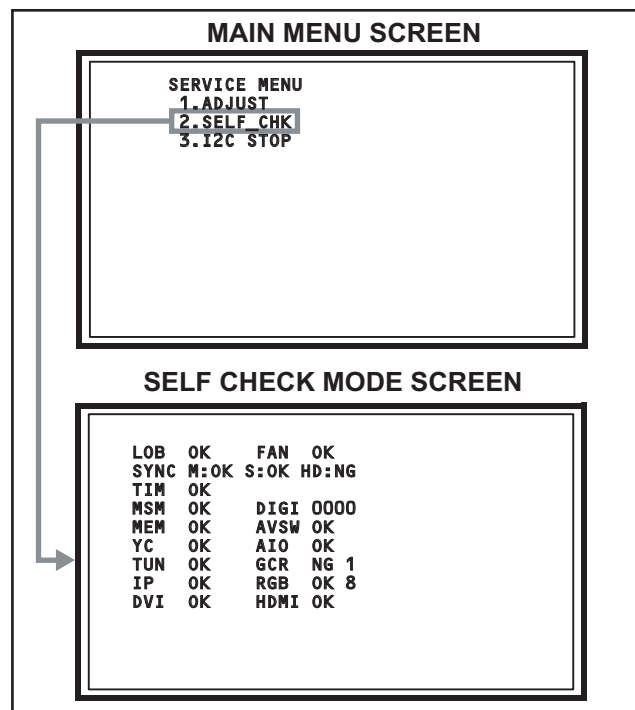
SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 SYSTEM SETTING

Be sure to carry out the following operation at the end of the procedure.

- (1) Set to 0 minutes using the **[SLEEP TIMER]** key.
- (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
- (3) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
- (4) Turn off the power by pressing the **[POWER]** key on the remote control unit.



2.2 FEATURES

D.I.S.T. (Digital Image Scaling Technology)

This system uses line interpolation to double the number of scanning lines and achieve high resolution, flicker-free picture.

SMART CAPTION

Smart caption will appear when you press the MUTING button, only on channels where the broadcast contains CLOSED CAPTION information.

SMART SOUND

Decreases high sound levels, giving a regulated sound level.

VIDEO STATUS

Expression of a favorite screen can be chosen by the VIDEO STATUS function.

DIGITAL INPUT

Digital-in will display when any picture signal in Digital-in is displayed.

V-CHIP

Since the V-CHIP is built in, it can choose, view and listen to a healthy program.

MTS STEREO

The voice multiplex function of the MTS system is built in. (MTS = Multi channel Television Sound system)

NATURAL CINEMA

Watching the movie or animation, press the Natural Cinema to adjust the outline of the images to make them more sharp.

BBE

High definition audio adds natural, clear and extraordinary sound quality to any program.

VIDEO INPUT LABEL

This function is used to label video input connections for the onscreen displays.

A.H.S.

Adds a more spacious surround sound. Music gives basic effect and Movie for more effect.

2.3 TECHNICAL INFORMATION

2.3.1 PDP STRUCTURE AND CHARACTERISTIC

This unit uses the flat type panel PDP (Plasma Display Panel), instead of the conventional CRT (Cathode Ray Tube), as a display unit.

2.3.1.1 PIXEL (CELL) ARRAY

PDP is constructed by sealing the xenon, which emits neon and ultraviolet rays for discharging purpose, in between the electrodes lay on the front glass substrate and rear glass substrate.

One pixel is composed of 3 RGB cells, with cell pitch of 0.304mm (1 pixel 0.912mm) horizontally and 0.693mm vertically.

The cell is arrayed in each RGB color as shown in Fig. 1. One pixel is formed by interlacing each RGB color cell.

One cell size is 0.299mm horizontally and 0.693mm vertically.

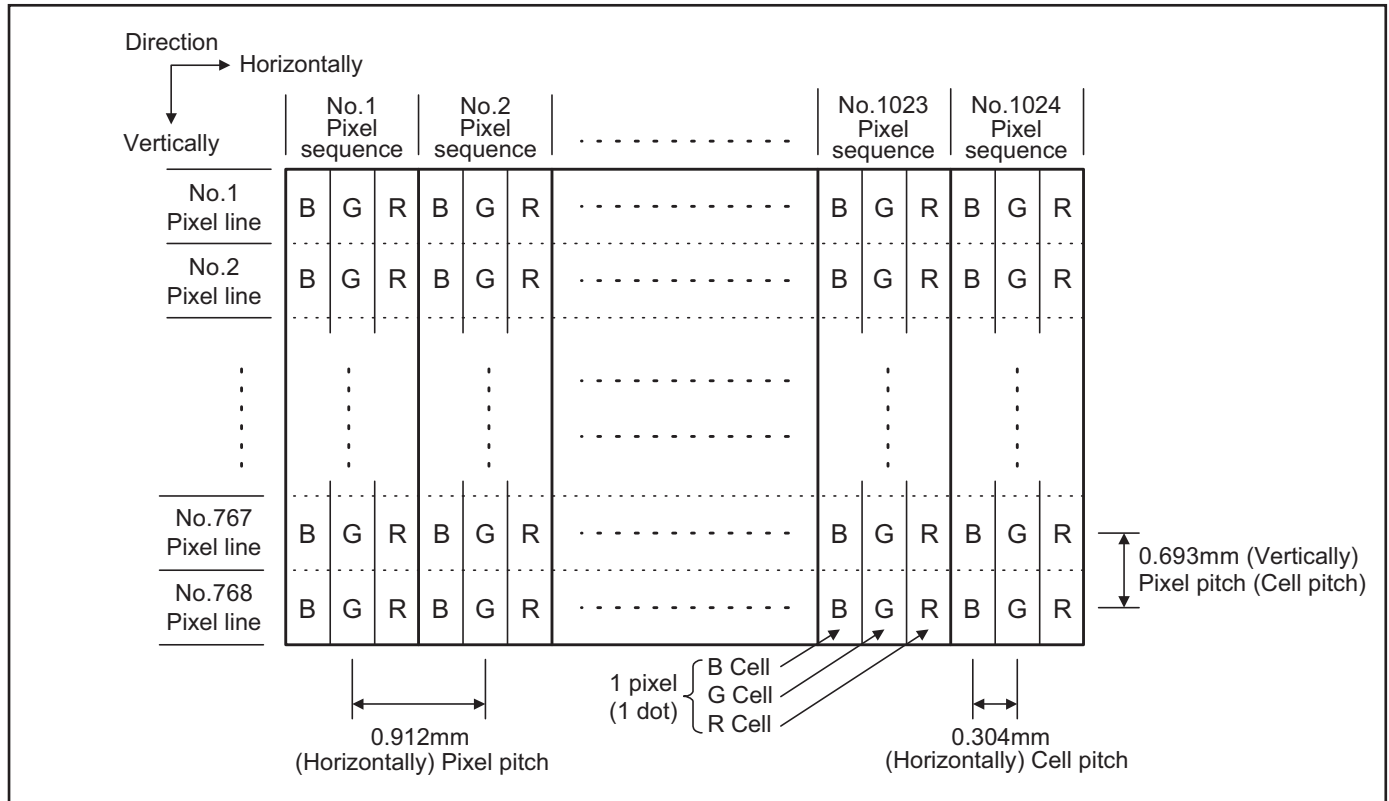


Fig.1

2.3.1.2 PIXEL DEFECTS

Though PDP is made by means of ultra precise technology, there are cases whereby not all pixels (cell) will function properly. In some cases, there may be defective pixels that do not light at all or the ones that always light on.

There are 3 types of Pixel defects, [Bright Dot Defects], [Dark Dot Defects] and [Flicker Dot Defects], as defined respectively in the following:

(1) BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

(2) DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

(3) FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.3.2 MAIN CPU PIN FUNCTION [IC7601 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	VHOLD1	I	Data slice for main screen closed caption	51	NC	O	Not used
2	HFLT1	I/O	LPF for main screen closed caption video input	52	NC	O	Not used
3	NC	O	Not used	53	NC	O	Not used
4	NC	O	Not used	54	NC	O	Not used
5	DIGR0	O	R [0] for OSD	55	NC	O	Not used
6	TB1in	I	AC power for timer clock	56	NC	O	Not used
7	REMO	I	Remote control	57	NC	O	Not used
8	BYTE	I	Data bus width select [L = 16bit (fixed)]	58	NC	O	Not used
9	CNVss	I	CPU programming mode select [Normal = L]	59	NC	O	Not used
10	DIGG0	O	G [0] for OSD	60	NC	O	Not used
11	DIGB0	O	B [0] for OSD	61	NC	O	Not used
12	RESET	I	Reset for main CPU [Reset = L]	62	HSYNC	I	H. sync for OSD
13	Xout	O	System clock oscillation (crystal) : 16MHz	63	NC	O	Not used
14	Vss	-	GND	64	VSYNCR	I	V. sync for OSD
15	Xin	I	System clock oscillation (crystal) : 16MHz	65	NC	O	Not used
16	Vccl	I	3.3V stand-by power supply	66	NC	O	Not used
17	OSC1	I	Clock for OSD	67	NC	O	Not used
18	OSC2	O	Not used : Clock for OSD	68	NC	O	Not used
19	INT1	I	AV COMPULINK control	69	NC	O	Not used
20	INT0	I	Request for sub(chassis) CPU communication (serial data)	70	NC	O	Not used
21	OUT1	O	Ys (blanking) for OSD	71	NC	O	Not used
22	OUT2	O	YM (transparence) for OSD	72	NC	O	Not used
23	NC	O	Not used	73	NC	O	Not used
24	NC	O	Not used	74	NC	O	Not used
25	NC	O	Not used	75	NC	O	Not used
26	NC	O	Not used	76	NC	O	Not used
27	CTA2/RTS2	O	Not used	77	NC	O	Not used
28	CLK2	O	Not used	78	NC	O	Not used
29	RxD2	I	Digital tuner control	79	NC	O	Not used
30	TxD2	O	Digital tuner control	80	NC	O	Not used
31	SDA2	I/O	Not used	81	NC	O	Not used
32	DIGR1	O	R [1] for OSD	82	NC	O	Not used
33	DIGG1	O	G [1] for OSD	83	NC	O	Not used
34	DIGB1	O	B [1] for OSD	84	WAKE	O	Reset for sub(chassis) CPU
35	TxD0	I	Data receive (serial) for external programming	85	CARD_DET	I	Card detection for ATSC digital tuner
36	RxD0	O	Data transmission (serial) for external programming	86	POWER_SW	I	Not used : Power switch (mechanical) detection
37	CLK0	I	Clock for external programming	87	NC	I/O	Data for Inter IC (serial) bus control : memory
38	RTS0	O	Busy for external programming [Operation = H]	88	NC	O	Clock for Inter IC (serial) bus control : memory
39	P5.7	I	Not used	89	DIGR2	O	R [2] for OSD
40	P5.6	O	Not used	90	DIGG2	O	G [2] for OSD
41	HOLD	I	CPU programming mode select [Normal = H]	91	DIGB2	O	B [2] for OSD
42	P5.4	O	Not used	92	NC	O	Not used
43	P5.3	O	Not used	93	KEY2	I	Key scan data for front control button (MENU/CH+/CH-) KEY2
44	P5.2	O	Not used	94	KEY1	I	Key scan data for front control button (VOL+/VOL-) KEY1
45	P5.1	O	Not used	95	VHOLD2	I	Data slice for sub screen closed caption
46	WR	O	CPU programming mode select [Normal = L]	96	HLF2	I/O	LPF for sub screen closed caption video input
47	P4.7	O	Data transmission for sub(chassis) CPU communication (serial)	97	CVIN2	I	Video(Y) for sub screen closed caption
48	P4.6	I	Data receive for sub(chassis) CPU communication (serial)	98	TVSETB	I	Test terminal [L Fixed]
49	P4.5	I	Clock for sub(chassis) CPU communication (serial)	99	VCCE	I	5V stand-by power supply
50	P4.4	O	Not used	100	CVIN1	I	Video(Y) for main screen closed caption

2.3.3 SUB (CHASSIS) CPU PIN FUNCTION [IC7001 : DIGITAL SIGNAL PWB ASS'Y]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	LB_PRO	O	Not used	51	BS_TXD	O	Not used : Data transmission for digital tuner communication
2	P_MU	O	Picture muting [Muting = H]	52	BS_RXD	I	Not used : Data receive for digital tuner communication
3	JP_CSB	O	Not used (NC)	53	NC	O	Not used (NC)
4	A_MU	O	Audio muting [Muting = H]	54	VREF+	I	3.3V power supply
5	M_MU	O	Audio muting (for AUDIO OUT) [Muting = H]	55	PDP_TX	O	Data transmission for SUB (DRIVE) CPU communication
6	PC_SEL	O	Not used : RGB(PC) INPUT select	56	PDP_RX	I	Data receive for SUB (DRIVE) CPU communication
7	ON_TIMER	O	POWER INDICATOR (LED) brightness [LOW = L]	57	SDA0	I/O	Data for Inter IC (serial) bus : EEP-ROM (IC7002)
8	ILA0	O	Not used : LCD back light lighting	58	SCL0	O	Clock for Inter IC (serial) bus : EEP-ROM (IC7002)
9	ILA1	O	Not used : LCD panel overshoot refresh timing	59	SDA_DVI	I/O	Not used : Data for Inter IC (serial) bus for panel communication
10	ILA2	O	Not used	60	SCL_DVI	O	Not used : Clock for Inter IC (serial) bus for panel communication
11	POW_LED	O	POWER LED lighting [ON = H]	61	AVSS	-	GND
12	WORD	O	Not used	62	DIGI_PHOT	I	Photo sensor for DIGITAL-IN illegal copy protection
13	MI_CK	I	Clock for SUB (OSD) CPU communication	63	AGC	I	Not used
14	MI_TX	I	Data receive for SUB (OSD) CPU communication	64	EXT_YS1	I	Not used
15	MI_RX	O	Data transmission for SUB (OSD) CPU communication	65	EXT_YS2	I	Not used
16	MI_REQ	O	Data request for SUB (OSD) CPU communication [Request = L]	66	VDD	I	3.3V power supply
17	VDD	I	3.3V power supply	67	DIGI_PRO	O	for DIGITAL-IN (HDMI)
18	FOSC	O	Not used (NC)	68	GCR_RST	O	Not used (NC)
19	VSS	-	GND	69	GR_ON	O	Not used (NC)
20	X1	I	Not used : Low speed oscillation	70	SYNC_SEL	O	Not used : Sync select for digital tuner
21	X0	O	Not used : Low speed oscillation	71	NC	O	Not used (NC)
22	VDD	I	3.3V power supply	72	NC	O	Not used (NC)
23	OSC1	I	System clock osillation (crystal) : 16MHz	73	SBD5	I/O	Data for writing on board (connect CN01P : for Frash ROM type)
24	OSC0	O	System clock osillation (crystal) : 16MHz	74	SBT5	I	Clock for writing on board (connect CN01P : for Frash ROM type)
25	MODE	I	Single chip mode	75	NMI	I	3.3V power supply
26	BS1.5CTL	O	Not used : Digital tuner power / reset control	76	COMP	I	AV COMPULINK III control
27	A92RES	O	Reset for IC1001(3D YC SEP / COLOR DEMODULAT) [Reset = H]	77	REMO	I	Remote control
28	BS_RST	O	Not used: Reset for Digital tuner power / reset control	78	VSYNC	I	V. sync pulse
29	LIP_RST	O	Not used: Reset for Sound delay (Lip sync)	79	WAKE	I	Reset for sub(chassis) CPU
30	SOFT_OFF	O	Not used	80	POWERGOOD	I	Power error detection [NG = H]
31	VMUTE	I	No use : Picture muting request from digital tuner	81	NC	O	Not used (NC)
32	VOUTENB	O	No use : Video cutoff for digital tuner	82	RST	I	Reset for MAIN CPU [Reset = L]
33	MDR_CON	I	No use : System cable connection monitor for PDP	83	VDD	I	3.3V power supply
34	AVDD	I	3.3V power supply	84	SCL3A	O	Clock for Inter IC (serial) bus control
35	BS_POW	O	Not used : Digital tuner power control	85	SDA3A	I/O	Data for Inter IC (serial) bus control
36	DsyncSW2	O	Sync select for DIGITAL-IN [Cotrolled with 99-pin]	86	SCL3B	O	Clock for Inter IC (serial) bus control
37	LB_POW	O	Not used : Power control for low bias line	87	SDA3B	I/O	Data for Inter IC (serial) bus control
38	NC	O	Not used (NC)	88	DIGI_SYNCSEL	O	Not used
39	HOTPLUG	I	Not used : Video communiation monitor for receiver unit (PDP)	89	DIGI_LRSW	O	For DIGITAL-IN (HDMI)
40	MECA_SW	I	Mechanical monitor for POWER switch [Push = L]	90	DIGI_INT	I	Reset for HDMI process [Reset = L]
41	MAIN_POW	O	Main power control [ON = L]	91	DVI_RST	O	Not used : Reset for DVI format conversion
42	MSP_RST	O	AUDIO OUT output mode select [VARIABLE = L]	92	VSS	-	GND
43	VREF-	I	Not used	93	SCL5055	O	Clock for Inter IC (serial) bus : JCC5055 (DIST process)
44	AFT2	I	Not used : AFT voltage for sub tuner	94	VFORMATSEL	O	Not used : Digital tuner clock control
45	AFT1	I	AFT voltage for VHF/UHF tuner	95	SDA5055	I/O	Data for Inter IC (serial) bus : JCC5055 (DIST process)
46	KEY2	I	Key scan data for front switch (MENU/CH+/CH-)	96	OSD_MODE_SEL	O	Not used : OSD mode select
47	KEY1	I	Key scan data for front switch (VOL+/VOL-)	97	NC	O	Not used (NC)
48	NC	O	Not used (NC)	98	15K/OTH	O	Main video select [Fixed H]
49	NC	O	Not used (NC)	99	DsyncSW1	O	Sync select for DIGITAL-IN [Cotrolled with 36-pin]
50	AC_IN	I	AC power pulse for timer clock	100	57 BUSY	I	Busy monitor for JCC5057 (New DIST process)

SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

CAUTION AT DISASSEMBLY:

- **Be sure to perform the SYSTEM SETTING, at the end of the procedure.**
- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.1.1 REMOVING THE STAND (Fig. 1)

- (1) Remove the 2 screws **[A]**, then remove the STAND COVER.
- (2) Remove the 2 screws **[B]** and the 4 screws **[C]**, then remove the STAND.

3.1.5 REMOVING THE TERMINAL COVER (Fig. 1)

- Remove the STAND.
 - Remove the REAR COVER.
- (1) Remove the 6 screws **[K]**, the 12 screws **[L]**, the 1 screw **[M]**, the 1 nut and the 1 washer, then remove the TERMINAL COVER.

3.1.2 REMOVING THE REAR COVER (Fig. 1)

- Remove the STAND.
- (1) Remove the power cord.
 - (2) Remove the 15 screws **[D]**, the 4 screws **[E]** and the 8 screws **[F]**, then remove the REAR COVER.

3.1.3 REMOVING THE CENTER COVER (Fig. 1)

- Remove the STAND.
 - Remove the REAR COVER.
- (1) Remove the 7 screws **[G]**, then remove the CHASSIS SHIELD COVER.
 - (2) Remove the 6 screws **[H]**, then remove the CENTER COVER.

3.1.4 REMOVING THE COOLING FAN (Fig. 1)

- Remove the STAND.
 - Remove the REAR COVER
 - Remove the CHASSIS SHIELD COVER.
- (1) Remove the 2 ribets **[J]**, then remove the COOLING FAN.

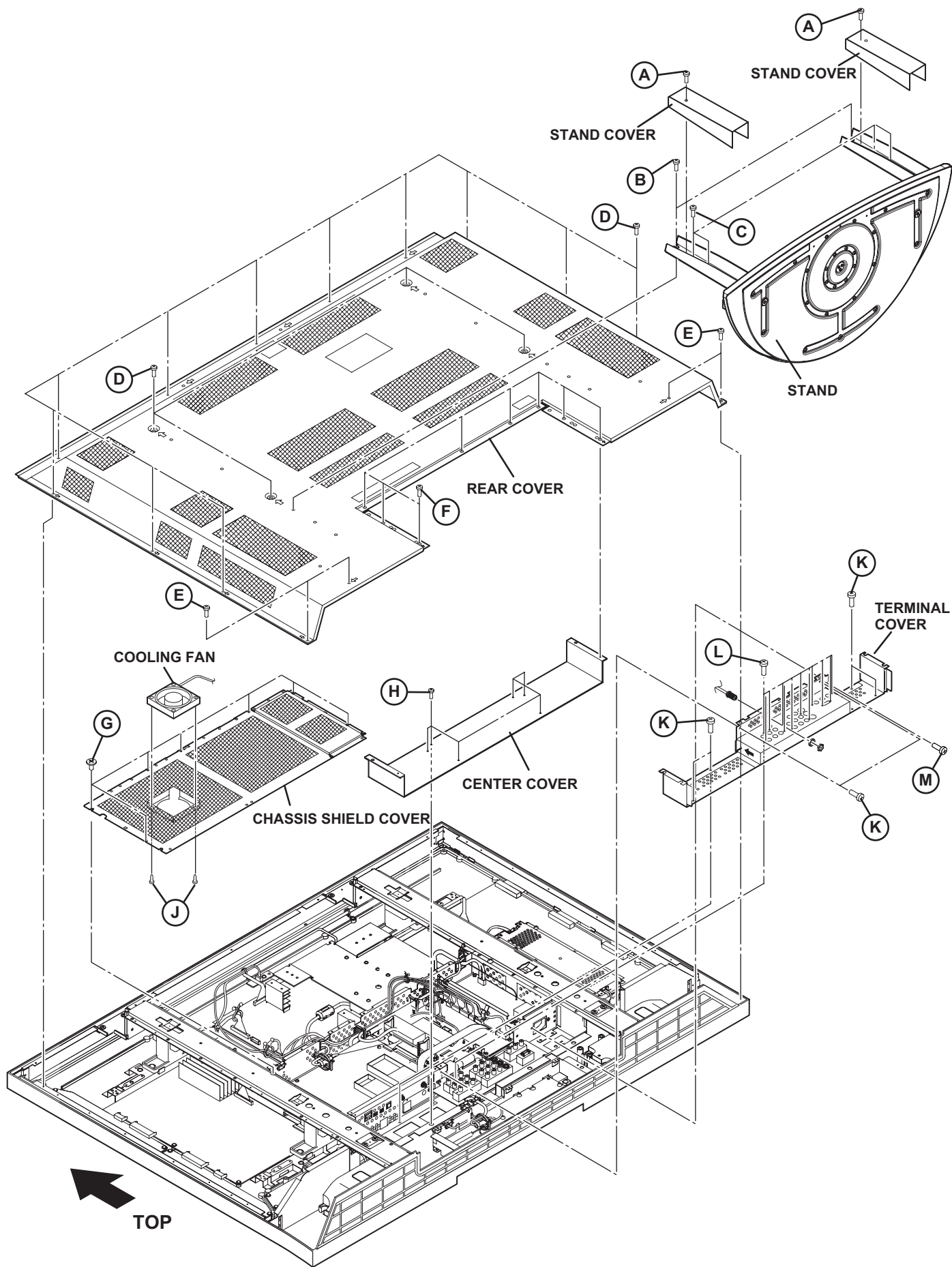


Fig.1

3.1.6 REMOVING THE AUDIO PWB (Fig. 2)

- Remove the STAND.
- Remove the REAR COVER.
- (1) Remove the 4 screws [A], then remove the AUDIO CHASSIS COVER.
- (2) Remove the 4 screws [B], then remove the AUDIO PWB.

3.1.7 REMOVING THE AV JACK PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- (1) Remove the 4 screws [C] and remove the AV JACK PWB.

3.1.8 REMOVING THE INTERFACE PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- (1) Remove the 2 screws [D], and withdraw the INTERFACE PWB.

3.1.9 REMOVING THE REGULATOR PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the INTERFACE PWB.
- (1) Remove the 4 screws [E], then remove the REGULATOR PWB.

3.1.10 REMOVING THE LINE FILTER PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the INTERFACE PWB.
- Remove the AV JACK PWB.
- (1) Remove the 1 screw [F] and the 1 screw [G], then remove the AC INLET PANEL.
- (2) Remove the 1 screw [H] and the 2 screws [J], then remove the LINE FILTER PWB.

3.1.11 REMOVING THE RECEIVER PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- (1) Remove the 4 hooks, then remove the RECEIVER PWB.

3.1.12 REMOVING THE ANALOG SIGNAL PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the RECEIVER PWB.
- (1) Remove the 4 screws [K], then remove the ANALOG SIGNAL PWB.

3.1.13 REMOVING THE ATSC TUNER MODULE (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the AV JACK PWB.
- (1) Remove the 1 screw [L] and 1 screw [M], then remove the DIGITAL TERMINAL COVER.
- (2) Remove the 5 screws [N], then remove the ATSC TUNER MODULE.

3.1.14 REMOVING THE DIGITAL SIGNAL PWB (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the ATSC TUNER MODULE.
- (1) Remove the 4 screws [P], then remove the DIGITAL BRACKET.
- (2) Remove the 2 screws [Q], then remove the DIGITAL SIGNAL PWB.

CAUTION:

Make sure to perform the "SYSTEM SETTING", when DIGITAL SIGNAL PWB is replaced.

3.1.15 REMOVING THE MAIN BASE, CHASSIS BASE AND AUDIO PWB BASE (Fig.2)

- Remove the STAND.
- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the AUDIO PWB.
- Remove the AV JACK PWB.
- Remove the INTERFACE PWB.
- Remove the REGULATOR PWB.
- Remove the LINE FILTER PWB.
- Remove the RECEIVER PWB.
- Remove the ANALOG SIGNAL PWB.
- Remove the DIGITAL SIGNAL PWB.
- (1) Remove the 1 screw [R].
- (2) Lift the MAIN BASE upright and remove it.
- (3) Remove the 2 screws [S], then remove the CHASSIS BASE.
- (4) Remove the 1 screw [T], then remove the AUDIO PWB BASE.

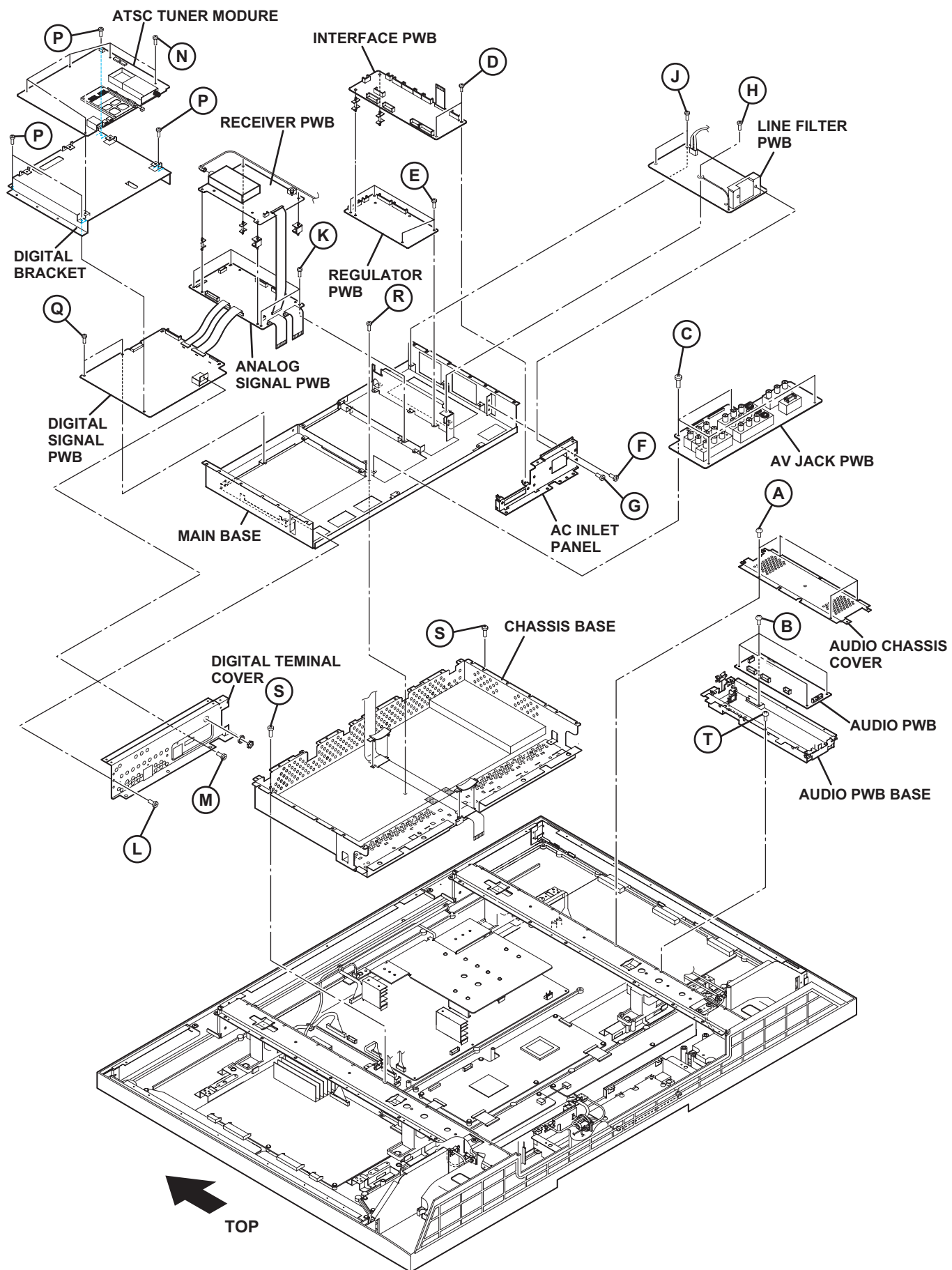


Fig.2

3.1.16 REMOVING THE FRONT CONTROL PWB (Fig.3)

- Remove the STAND.
 - Remove the REAR COVER.
 - Remove the CENTER COVER.
- (1) Remove the 4 screws **[A]**, the 2 screws **[B]** and the 2 screws **[C]**, then remove the FRONT CONTROL PWB.

3.1.17 REMOVING THE FRONT LED PWB (Fig.3)

- Remove the STAND.
 - Remove the REAR COVER.
 - Remove the CENTER COVER.
- (1) Remove the 2 screws **[D]**, then the FRONT BASE.
(2) Remove the 2 screws **[E]**, then remove the FRONT LED PWB.

3.1.18 REMOVING THE SD CARD PWB (Fig.3)

- Remove the STAND.
 - Remove the REAR COVER.
 - Remove the CENTER COVER.
 - Remove the FRONT PWB BASE.
- (1) Remove the 2 screws **[F]**, then the SD CARD PWB.

3.1.19 REMOVING THE TEMP. SENSOR PWB (Fig.3)

- Remove the STAND.
 - Remove the REAR COVER.
- (1) Remove the 1 screw **[G]**, then remove the TEMP. SENSOR PWB.

3.1.20 REMOVING THE MAIN POWER PWB (Fig.3)

- Remove the STAND.
 - Remove the REAR COVER.
- (1) Remove the 7 screws **[H]**, then remove the MAIN POWER PWB.

3.1.21 REMOVING THE SUB POWER PWB (Fig.3)

- Remove the STAND.
 - Remove the REAR COVER.
- (1) Remove the 4 screws **[J]**, then remove the SUB POWER PWB.

3.1.22 REMOVING THE PDP UNIT (Fig.3)

- Remove the STAND.
 - Remove the REAR COVER.
 - Remove the CENTER COVER.
 - Remove the CHASSIS SHIELD COVER.
 - Remove the TERMINAL COVER.
 - Remove the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE (with each PWB affixed on the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE).
 - Remove the TEMP. SENSOR PWB.
 - Remove the MAIN POWER PWB.
 - Remove the SUB POWER PWB.
- (1) Remove the 8 screws **[K]** and the 8 screws **[L]**, then remove the BACK FRAME.
(2) Lift the PDP UNIT upright and remove it with enough care not to impose shock to the PDP UNIT.

CAUTION:

- Two or more people are required to remove the PDP UNIT.
- The gas pouring port is covered with the protection material. In operation, be careful not to damage the gas pouring port.
- Do not touch the front side (glass) of the PDP with your fingers.

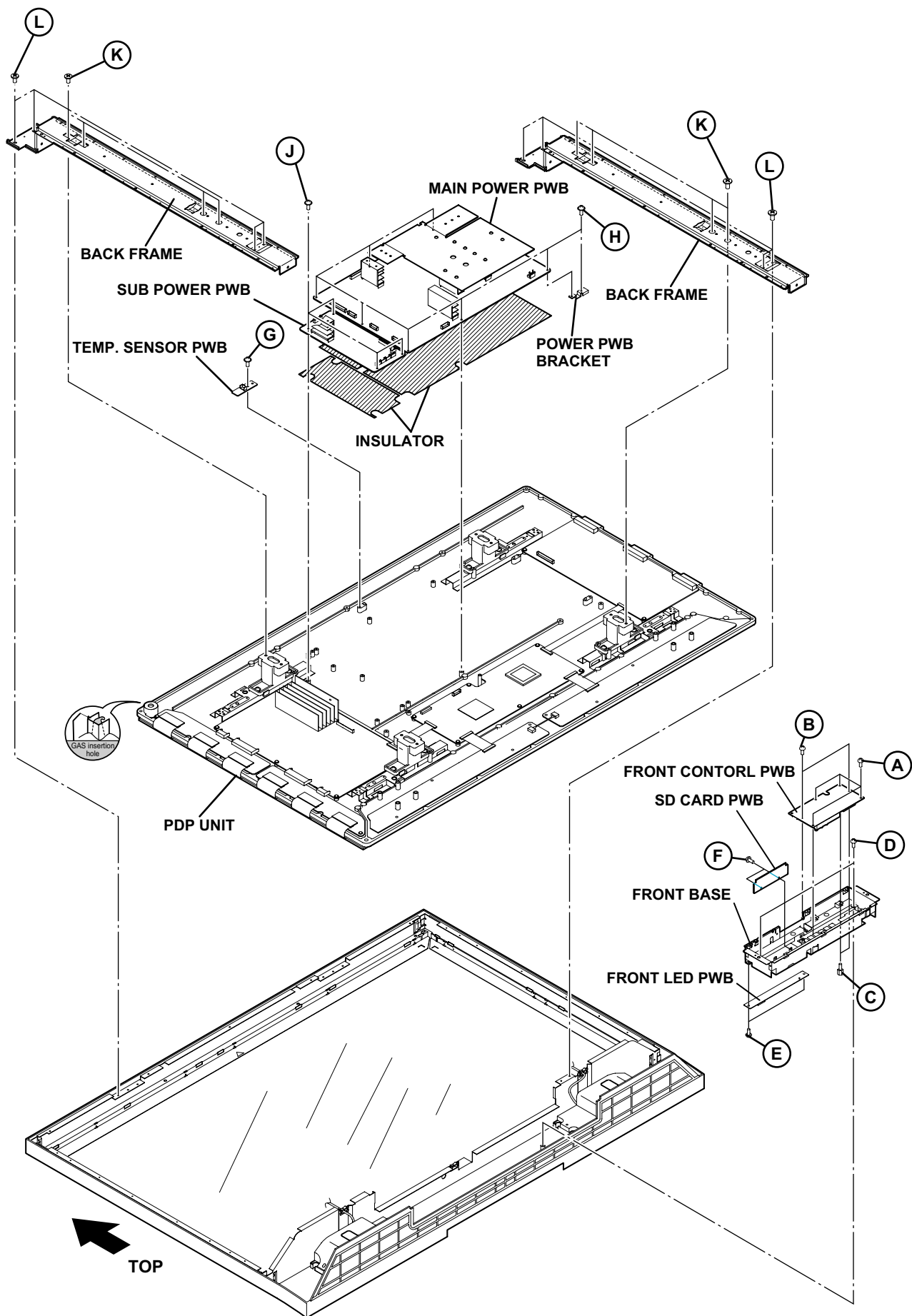


Fig.3

3.1.23 REMOVING THE SPEAKER (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE (with each PWB affixed on the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE).
 - (1) Remove the 3 screws [A], then remove the SPEAKER.
 - (2) Follow the same steps when removing the other hand SPEAKER.

CAUTION:

- Please do not disassembly the SPEAKER.
When the speaker is decomposed, the performance cannot be kept.

3.1.24 REMOVING THE FRONT PANEL AND THE FRONT FILTER (Fig.4)

- Remove the REAR COVER
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE (with each PWB affixed on the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE).
- Remove the PDP UNIT.
 - (1) Remove the 8 screws [B].
 - (2) Lift the FRAME BRACKETS and FRONT FILTER upright and remove it with enough care not to damage the FRONT FILTER.
 - (3) Remove the FRONT PANEL.
 - (4) Remove the 16 screws [C], then remove the FILTER BRACKET.
 - (5) Remove the FRONT FILTER.

3.1.25 REMOVING THE TOP FRAME, BOTTOM FRAME AND SIDE FRAME (Fig.4)

- Remove the REAR COVER.
- Remove the CENTER COVER.
- Remove the CHASSIS SHIELD COVER.
- Remove the TERMINAL COVER.
- Remove the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE (with each PWB affixed on the MAIN BASE, CHASSIS BASE and AUDIO PWB BASE).
- Remove the PDP UNIT.
- Remove the FRONT FILTER.
 - (1) Remove the 4 spacers and the 8 screws [D], then remove the TOP FRAME, BOTTOM FRAME and SIDE FRAME.

3.1.26 REMOVING THE PWB IN PDP UNIT

3.1.26.1 REMOVING THE X-MAIN PWB (Fig.5)

- Remove the PDP UNIT.
(1) Remove the 4 screws [A], then remove the X-MAIN PWB.

3.1.26.2 REMOVING THE Y-MAIN PWB (Fig.5)

- Remove the PDP UNIT.
(1) Remove the 5 screws [B] and the 1 screw [C], then remove the Y-MAIN PWB.

3.1.26.3 REMOVING THE LOGIC-MAIN PWB (Fig.5)

- Remove the PDP UNIT.
(1) Remove the 7 screws [D], then remove the LOGIC-MAIN PWB.

3.1.26.4 REMOVING THE Y-BUFFER UP PWB (Fig. 5)

- Remove the PDP UNIT.
(1) Remove the 1 screw [E], then remove the Y-BUFFER UP PWB.

3.1.26.5 REMOVING THE Y-BUFFER LOW PWB (Fig.5)

- Remove the PDP UNIT.
(1) Remove the 1 screw [F], then remove the Y-BUFFER LOW PWB.

3.1.26.6 REMOVING THE E-BUFFER PWB (Fig.5)

- Remove the PDP UNIT.
(1) Remove the 4 screws [G], then remove the E-BUFFER PWB.

3.1.26.7 REMOVING THE F-BUFFER PWB (Fig.5)

- Remove the PDP UNIT.
(1) Remove the 4 screws [H], then remove the F-BUFFER PWB.

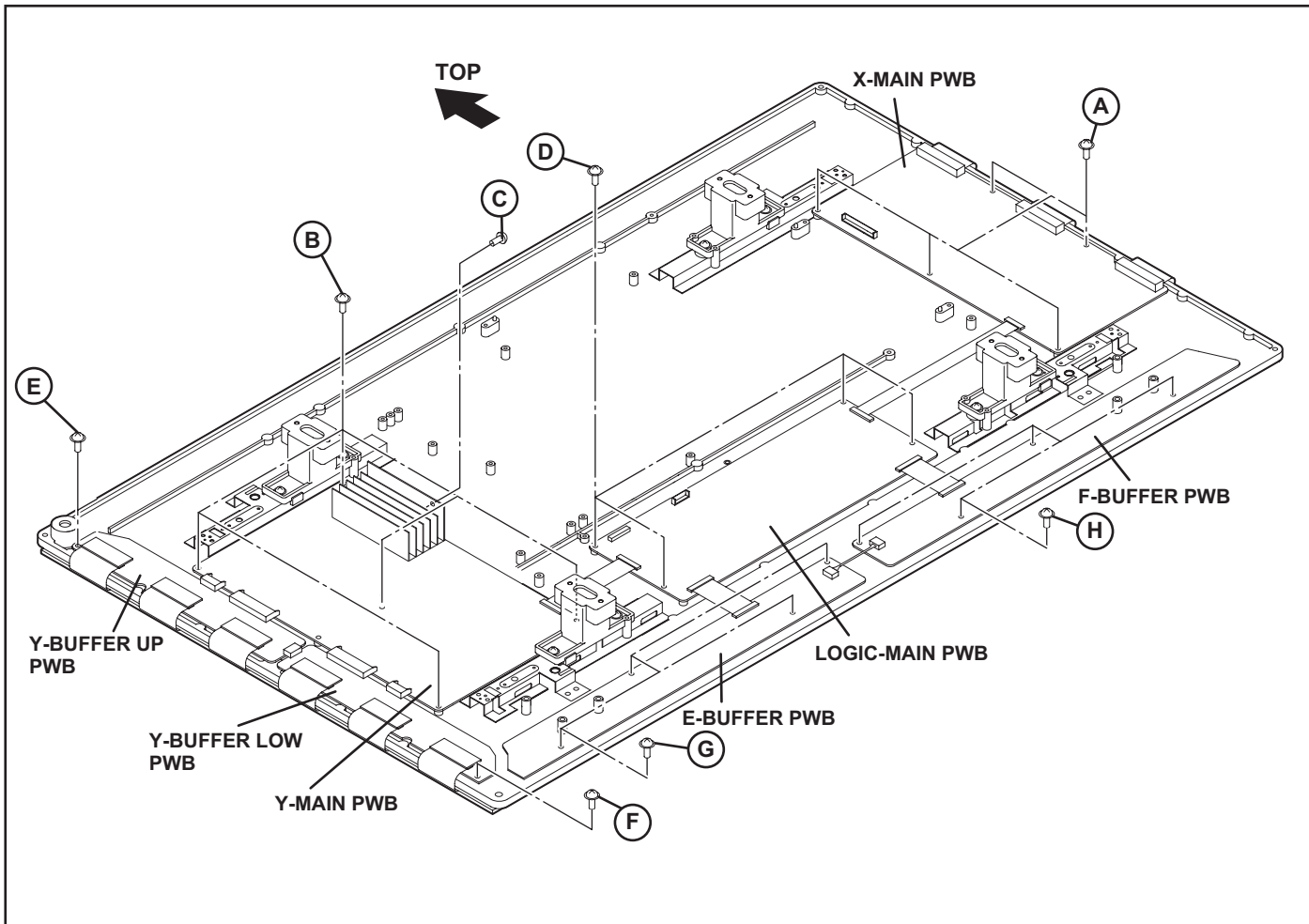


Fig.5

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

3. Power on

Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.2.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN

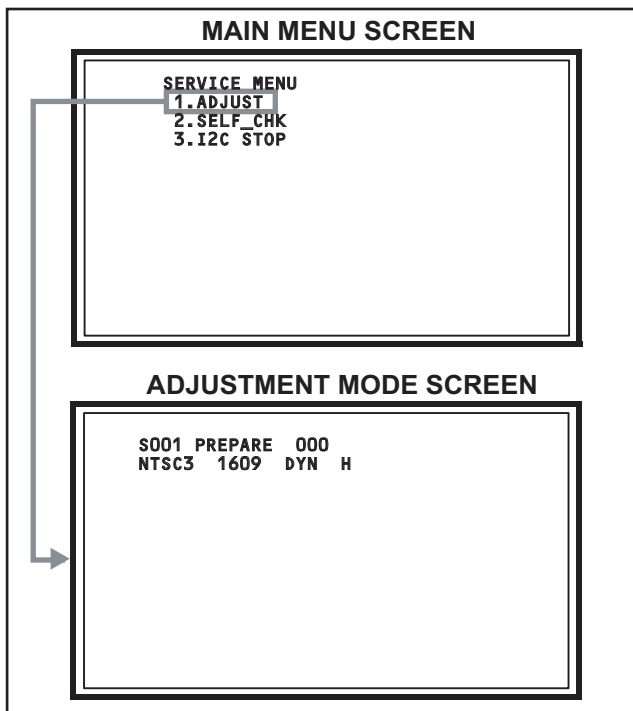


Fig.1

■SETTING ITEM

Setting items	Settings	Item No.
Video system setting	Adjust	S001 - S039
Audio system setting	Adjust	T001 - T010
Panel control system setting	Fixed	P001 - P010
Drive system setting	Fixed	D001 - D187
Main CPU system setting	Fixed	Z001 - Z010

3.2.3 SETTINGS OF FACTORY SHIPMENT

3.2.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CABLE-02
VOLUME	10
INPUT	TV

3.2.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
INPUT	TV
CHANNEL	CABLE-02
VOLUME	10
MUTING	OFF
DISPLAY	OFF
ASPECT	NTSC
	HD
	PANORAMA
	FULL
SLEEP TIMER	OFF
THEATER PRO	OFF
VIDEO STATUS	DYNAMIC
MTS	STEREO
TWIN SOURCE	LEFT SIDE
	RIGHT SIDE
	CABLE-02
	VIDEO-1
SOUND EFFECT	A.H.S
	OFF
	BBE
	ON
	SMART SOUND
	OFF

3.2.3.3 REMOTE CONTROL MENU OPERATION

1. PICTURE ADJUST

Customers can adjust the picture setting of menu screen as their own like but the picture standard value during factory shipment is as below.

< NTSC MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	+12	00	-5	00
BRIGHT	00	00	00	00
COLOR	+8	00	-3	00
TINT	00	00	00	00
DETAIL	+5	00	-3	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	HIGH
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON

< NTSC MODE >

Setting item	DYNAMIC	STANDARD	GAME	THEATER
PICTURE	+12	00	-5	00
BRIGHT	00	00	00	00
COLOR	+8	00	-3	00
TINT	00	00	00	00
DETAIL	+5	00	-3	00
COLOR TEMPERATURE	HIGH	LOW	HIGH	LOW
DIG. NOISE CLEAR	OFF	OFF	OFF	OFF
NATURAL CINEMA	AUTO	AUTO	AUTO	AUTO
COLOR MANAGEMENT	ON	ON	ON	ON
DYNAMIC GAMMA	ON	ON	ON	ON

2. SOUND ADJUST

Setting item	Setting position
BASS	00
TREBLE	00
BALANCE	00

3. CLOCK / TIMERS

Setting item	Setting position
ON / OFF TIMER	NO

4. INITIAL SETUP

Setting item	Setting position
VIDEO-1MONITOR OUT	OFF
TV SPEAKER	ON
AUDIO OUT	FIX
DIGITAL-IN	SIZE 1
DIGITAL-IN AUDIO	DIGITAL
CENTER CH INPUT	OFF
NOISE MUTING	ON
FRONT PANEL LOCK	OFF
V1 SMART INPUT	OFF
VIDEO INPUT LABEL	All blank
POSITION ADJUSTMENT	Center
POWER INDICATOR	HIGH
IMAGE SHIFT	STD
LANGUAGE	ENG.
CLOSED CAPTION	OFF
AUTO SHUT OFF	OFF
XDS ID	ON
V-CHIP	OFF
AUTO DEMO	OFF

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

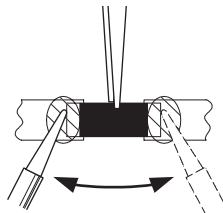
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

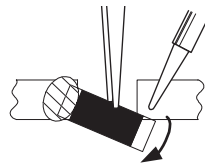
1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

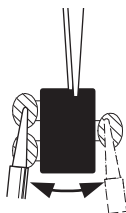


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



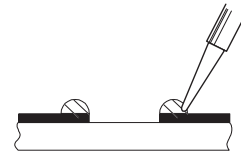
NOTE :

After removing the part, remove remaining solder from the pattern.

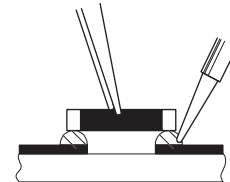
2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

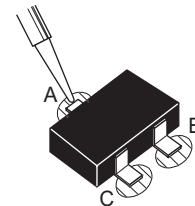


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

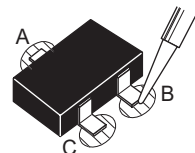


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) There are 2 ways of adjusting this TV : One is with the **REMOTE CONTROL UNIT** and the other is the conventional method using adjustment parts and components.
- (2) The adjustment using the **REMOTE CONTROL UNIT** is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the **REMOTE CONTROL UNIT**.

Setting item	Settings
VIDEO STATUS	STANDARD
Picture adjustments	00
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
COLOR MANAGEMENT	ON
DYNAMIC GAMMA	ON
NATURAL CINEMA	AUTO
Sound adjustments	00
BBE	OFF
A.H.S	OFF
ASPECT	FULL

4.3 MEASURING INSTRUMENT AND FIXTURES

- Oscilloscope
- Signal generator (Pattern generator)
[NTSC / 525i / 525p / 750p / 1125i]
- TV audio multiplex signal generator
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ POWER CIRCUIT

- PDP POWER VOLTAGE adjustment

■ VIDEO CIRCUIT

- 525i A-D OFFSET adjustment
- 1125i BRIGHTNESS adjustment
- 1125i A-D OFFSET adjustment
- SUB SCREEN A-D OFFSET adjustment
- WHITE BALANCE (HIGHLIGHT) adjustment

■ MTS CIRCUIT

- MTS INPUT LEVEL adjustment
- MTS SEPARATION adjustment

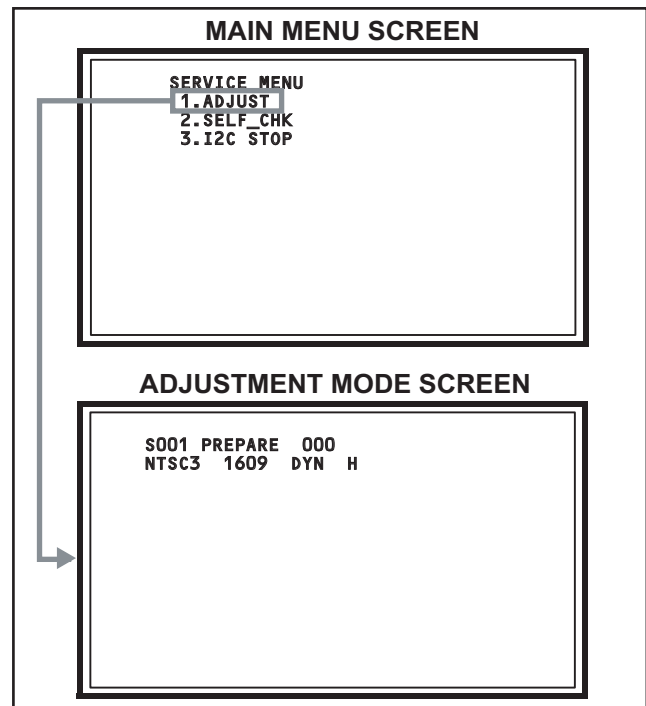
4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 HOW TO ENTER THE SERVICE MODE

- (1) Set to 0 minutes using the **[SLEEP TIMER]** key.
- (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the SERVICE MODE.
- (3) When the MAIN MENU SCREEN is displayed, press **[1]** key to enter the adjustment mode.

NOTE:

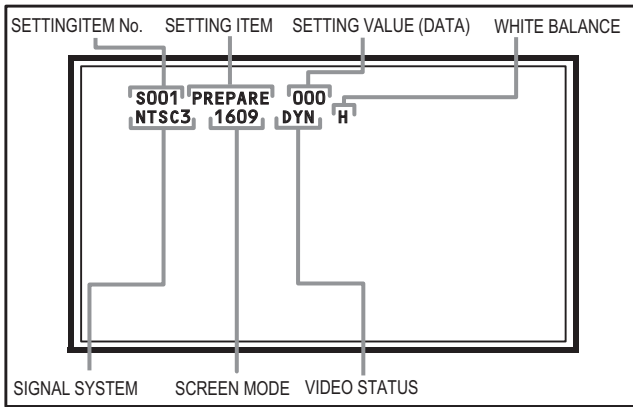
- Before entering the SERVICE MODE, confirm that the setting of TV / CATV switch of the REMOTE CONTROL UNIT is at the **"TV"** side and the setting of VCR / DVD switch is at the **"VCR"** side. If the switches have not been properly set, you cannot enter the SERVICE MODE.
- When a number key other than the **[1]** key is pressed in the MAIN MENU SCREEN, the other relevant screen may be displayed.
This is not used in the adjustment procedure. Press the **[MENU]** key to return to the MAIN MENU SCREEN.



4.5.2 HOW TO EXIT THE SERVICE MODE

Press the **[BACK]** key to exit the Service mode.

4.5.3 DESCRIPTION OF STATUS DISPLAY



(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

NTSC3	: 525i (Composite / S-video input)
525I	: 525i (Component input)
525P	: 525p
1125I6	: 1125i
750P	: 750p
H525I	: HDMI 525i
H525P	: HDMI 525p
H1125I6	: HDMI 1125i
H750P	: HDMI 750p
PCVGA	: PC VGA
PCXGA	: PC XGA
D525I	: Digital 525i
D525P	: Digital 525p
D1125I6	: Digital 1125i

(2) SCREEN MODE

State of the SCREEN SIZE or MULTI PICTURE is displayed.

SINGLE SCREEN

FULL	: FULL
1609	: CINEMA, CINEMA ZOOM
PANO	: PANORAMA, HD PANORAMA
REGU	: REGULAR

MULTI SCREEN

M2	: TWIN, FREEZE screen
M12	: INDEX screen

(3) VIDEO STATUS

STD	: STANDARD
DYN	: DYNAMIC
TH	: THEATER
GAME	: GAME

(4) WHITE BALANCE

H	: HIGH
L	: LOW

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 - S039	Video system setting
T001 - T010	Audio system setting
P001 - P010	Panel control system setting
D001 - D187	Drive system setting
Z001 - Z010	Main CPU system setting

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "Initial setting value of adjustment mode".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.5.4 CHANGE AND MEMORY OF SETTING VALUE

SELECTION OF SETTING ITEM

- [CHANNEL (+/-)] key.

For scrolling up / down the setting items.

S001... ↔ T001... ↔ P001... ↔ D001... ↔ Z001...

- [SLEEP TIMER] key.

For switching to next items.

S001 → T001 → P001 → D001 → Z001

CHANGE OF SETTING VALUE (DATA)

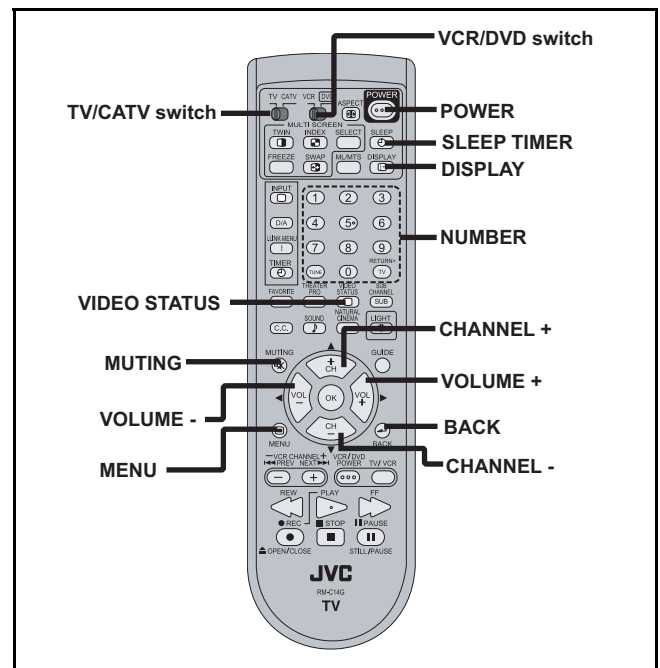
- [VOLUME (+/-)] key.

For scrolling up / down the setting values.

MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing [MUTING] key.

4.5.5 SERVICE MODE SELECT KEY LOCATION



4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 VIDEO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
S001	PREPARE	000 - 031	000
S002	NTSC BL	000 - 015	000
S003	NTSC CNT	000 - 255	033
S004	NT CR OF	000 - 015	006
S005	NT CB OF	000 - 015	006
S006	525i BL	000 - 015	000
S007	525i CNT	000 - 255	033
S008	5i CB OF	000 - 015	000
S009	5i CR OF	000 - 015	000
S010	5i CR GN	000 - 015	006
S011	5i CB GN	000 - 015	006
S012	HD BL	000 - 063	054
S013	HD CB OF	000 - 063	052
S014	HD CR OF	000 - 063	050
S015	RT CONT	000 - 015	007
S016	RT CB OF	000 - 015	001
S017	RT CR OF	000 - 015	000
S018	RT CL GA	000 - 015	004
S019	PC CL MB	000 - 007	000
S020	PC CL LB	000 - 031	000
S021	PC CL MR	000 - 007	000
S022	PC CL LR	000 - 031	000
S023	(Not display)	000 - 255	000
S024	(Not display)	000 - 255	000
S025	(Not display)	000 - 255	000
S026	(Not display)	000 - 255	000
S027	(Not display)	000 - 255	000
S028	(Not display)	000 - 255	000
S029	(Not display)	000 - 255	000
S030	R DRIVE	000 - 255	133
S031	G DRIVE	000 - 255	116
S032	B DRIVE	000 - 255	128
S033	(Not display)	000 - 255	000
S034	(Not display)	000 - 255	000
S035	(Not display)	000 - 255	000
S036	(Not display)	000 - 255	000
S037	(Not display)	000 - 255	000
S038	(Not display)	000 - 255	000
S039	ILA COM	-00 - +01	+01

4.6.2 AUDIO SYSTEM SETTING

Item No.	Item	Variable range	Setting value
T001	IN LEVEL	000 - 255	009
T002	LOW SEP	000 - 255	031
T003	HIGH SEP	000 - 255	012
T004	AFC	-128 - +128	+00
T005	(Not display)	000 - 255	000
T006	ATT V ON	000 - 001	000
T007	ATT U ON	000 - 001	000
T008	ATT C ON	000 - 001	000
T009	(Not display)	000 - 255	000
T010	(Not display)	000 - 255	000

4.6.3 PANEL CONTROL SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
P001	TM HOR H	00 - FF	00
P002	TM HOR L	00 - FF	01
P003	TM MIN	00 - FF	17
P004	TEMP	000 - 255	000
P005	(Not display)	000 - 255	000
P006	(Not display)	000 - 255	000
P007	(Not display)	000 - 255	000
P008	(Not display)	000 - 255	000
P009	(Not display)	000 - 255	000
P010	(Not display)	000 - 255	000

4.6.4 DRIVE SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
D001	SLV GN	00 - 3F	20
D002	SLVH GN	00 - 3F	20
D003	SLH GN	00 - 3F	20
D004	SLV Pf	00 - 03	01
D005	SLH Pf H	00 - 01	01
D006	SLH Pf L	00 - 03	01
D007	SL EGCON	00 - 3F	04
D008	SL EGONF	00 - 01	01
D009	SL CRGON	00 - 3F	05
D010	SL CRGON	00 - 01	01
D011	SL ON OF	00 - 01	01
D012	SV GN	00 - 3F	20
D013	SVH GN	00 - 3F	18
D014	SH GN	00 - 3F	25
D015	SV Pf	00 - 03	01
D016	SV PfH	00 - 01	01
D017	SV PfL	00 - 03	01
D018	SYL CON	00 - 3F	30
D019	SYL CONF	00 - 01	01

Item No.	Item	Variable range	Setting value
D020	SYH CON	00 - 3F	18
D021	SYH CONF	00 - 01	01
D022	SC CON	00 - 3F	36
D023	SC CNONF	00 - 01	01
D024	SPM BLC	00 - 3F	08
D025	SPM BLCO	00 - 01	01
D026	SLIM	00 - 3F	30
D027	SLIMONF	00 - 01	01
D028	SCRG	00 - 3F	06
D029	SRGONF	00 - 01	01
D030	S ONF	00 - 01	01
D031	pb GN	00 - 3F	15
D032	pb PfH	00 - 01	00
D033	pb PfL	00 - 03	03
D034	pb CRG	00 - 3F	04
D035	pb CRGON	00 - 01	01
D036	pb ONF	00 - 01	01
D037	pr GN	00 - 3F	15
D038	pr PfH	00 - 01	00
D039	pr PfL	00 - 03	03
D040	pr CRG	00 - 3F	04
D041	pr CRGON	00 - 01	00
D042	pr ONF	00 - 01	01
D043	ENH ONF	00 - 01	01
D044	(Not display)	00 - FF	00
D045	(Not display)	00 - FF	00
D046	(Not display)	00 - FF	00
D047	(Not display)	00 - FF	00
D048	(Not display)	00 - FF	00
D049	(Not display)	00 - FF	00
D050	(Not display)	00 - FF	00
D051	(Not display)	00 - FF	00
D052	(Not display)	00 - FF	00
D053	(Not display)	00 - FF	00
D054	(Not display)	00 - FF	00
D055	(Not display)	00 - FF	00
D056	(Not display)	00 - FF	00
D057	(Not display)	00 - FF	00
D058	(Not display)	00 - FF	00
D059	(Not display)	00 - FF	00
D060	(Not display)	00 - FF	00
D061	(Not display)	00 - FF	00
D062	(Not display)	00 - FF	00
D063	(Not display)	00 - FF	00
D064	(Not display)	00 - FF	00
D065	(Not display)	00 - FF	00
D066	(Not display)	00 - FF	00
D067	(Not display)	00 - FF	00
D068	(Not display)	00 - FF	00
D069	(Not display)	00 - FF	00

Item No.	Item	Variable range	Setting value
D070	(Not display)	00 - FF	00
D071	(Not display)	00 - FF	00
D072	(Not display)	00 - FF	00
D073	(Not display)	00 - FF	00
D074	(Not display)	00 - FF	00
D075	(Not display)	00 - FF	00
D076	(Not display)	00 - FF	00
D077	(Not display)	00 - FF	00
D078	(Not display)	00 - FF	00
D079	(Not display)	00 - FF	00
D080	(Not display)	00 - FF	00
D081	(Not display)	00 - FF	00
D082	(Not display)	00 - FF	00
D083	(Not display)	00 - FF	00
D084	(Not display)	00 - FF	00
D085	(Not display)	00 - FF	00
D086	(Not display)	00 - FF	00
D087	(Not display)	00 - FF	00
D088	(Not display)	00 - FF	00
D089	(Not display)	00 - FF	00
D090	(Not display)	00 - FF	00
D091	(Not display)	00 - FF	00
D092	(Not display)	00 - FF	00
D093	(Not display)	00 - FF	00
D094	(Not display)	00 - FF	00
D095	(Not display)	00 - FF	00
D096	(Not display)	00 - FF	00
D097	(Not display)	00 - FF	00
D098	(Not display)	00 - FF	00
D099	(Not display)	00 - FF	00
D100	(Not display)	00 - FF	00
D101	(Not display)	00 - FF	00
D102	(Not display)	00 - FF	00
D103	(Not display)	00 - FF	00
D104	(Not display)	00 - FF	00
D105	(Not display)	00 - FF	00
D106	(Not display)	00 - FF	00
D107	(Not display)	00 - FF	00
D108	(Not display)	00 - FF	00
D109	(Not display)	00 - FF	00
D110	(Not display)	00 - FF	00
D111	(Not display)	00 - FF	00
D112	(Not display)	00 - FF	00
D113	(Not display)	00 - FF	00
D114	(Not display)	00 - FF	00
D115	(Not display)	00 - FF	00
D116	(Not display)	00 - FF	00
D117	(Not display)	00 - FF	00
D118	(Not display)	00 - FF	00
D119	(Not display)	00 - FF	00

Item No.	Item	Variable range	Setting value
D120	(Not display)	00 - FF	00
D121	(Not display)	00 - FF	00
D122	(Not display)	00 - FF	00
D123	(Not display)	00 - FF	00
D124	(Not display)	00 - FF	00
D125	(Not display)	00 - FF	00
D126	(Not display)	00 - FF	00
D127	(Not display)	00 - FF	00
D128	(Not display)	00 - FF	00
D129	(Not display)	00 - FF	00
D130	(Not display)	00 - FF	00
D131	(Not display)	00 - FF	00
D132	(Not display)	00 - FF	00
D133	(Not display)	00 - FF	00
D134	(Not display)	00 - FF	00
D135	(Not display)	00 - FF	00
D136	(Not display)	00 - FF	00
D137	(Not display)	00 - FF	00
D138	(Not display)	00 - FF	00
D139	(Not display)	00 - FF	00
D140	(Not display)	00 - FF	00
D141	(Not display)	00 - FF	00
D142	(Not display)	00 - FF	00
D143	(Not display)	00 - FF	00
D144	(Not display)	00 - FF	00
D145	(Not display)	00 - FF	00
D146	(Not display)	00 - FF	00
D147	(Not display)	00 - FF	00
D148	(Not display)	00 - FF	00
D149	(Not display)	00 - FF	00
D150	(Not display)	00 - FF	00
D151	(Not display)	00 - FF	00
D152	(Not display)	00 - FF	00
D153	(Not display)	00 - FF	00
D154	(Not display)	00 - FF	00
D155	(Not display)	00 - FF	00
D156	(Not display)	00 - FF	00
D157	(Not display)	00 - FF	00
D158	(Not display)	00 - FF	00
D159	(Not display)	00 - FF	00
D160	(Not display)	00 - FF	00
D161	(Not display)	00 - FF	00
D162	(Not display)	00 - FF	00
D163	(Not display)	00 - FF	00
D164	(Not display)	00 - FF	00
D165	(Not display)	00 - FF	00
D166	(Not display)	00 - FF	00
D167	(Not display)	00 - FF	00
D168	(Not display)	00 - FF	00
D169	(Not display)	00 - FF	00

Item No.	Item	Variable range	Setting value
D170	(Not display)	00 - FF	00
D171	(Not display)	00 - FF	00
D172	(Not display)	00 - FF	00
D173	(Not display)	00 - FF	00
D174	(Not display)	00 - FF	00
D175	(Not display)	00 - FF	00
D176	(Not display)	00 - FF	00
D177	(Not display)	00 - FF	00
D178	(Not display)	00 - FF	00
D179	(Not display)	00 - FF	00
D180	(Not display)	00 - FF	00
D181	(Not display)	00 - FF	00
D182	(Not display)	00 - FF	00
D183	(Not display)	00 - FF	00
D184	(Not display)	00 - FF	00
D185	(Not display)	00 - FF	00
D186	(Not display)	00 - FF	00
D187	(Not display)	00 - FF	00

4.6.5 MAIN CPU SYSTEM SETTING (Fixed values)

Item No.	Item	Variable range	Setting value
Z001	(Not display)	00 - FF	00
Z002	(Not display)	00 - FF	00
Z003	(Not display)	00 - FF	00
Z004	(Not display)	00 - FF	00
Z005	(Not display)	00 - FF	00
Z006	(Not display)	00 - FF	00
Z007	(Not display)	00 - FF	00
Z008	(Not display)	00 - FF	00
Z009	(Not display)	00 - FF	00
Z010	(Not display)	00 - FF	00

4.7 ADJUSTMENT PROCEDURE

4.7.1 POWER CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
PDP POWER VOLTAGE	Signal generator DC voltmeter Resistor (1kΩ) DC power supply	Connector CN0C4 Vs Vset Ve Va Vscan [MAIN POWER PWB]	Vs VR:170V ADJ (R9424) Vset VR:160V ADJ (R9640) Ve VR:155V ADJ (R9646) Va VR:70V ADJ (R9219) Vscan VR:-60V ADJ (R9628) [MAIN POWER PWB]	<p>CAUTION:</p> <ul style="list-style-type: none"> During adjustment operation of PDP POWER VOLTAGE, don't touch the heat sink of the MAIN POWER PWB. If you touch it, electric shock may be caused. <p>< When MAIN POWER PWB is not replaced ></p> <ol style="list-style-type: none"> Connect the DC voltmeter, load resistor (1kΩ), DC power supply and switch SW1 to the CN0C4 connector and turn on the main power and switch SW1. (See Fig.2.) Adjust Vs (170V ADJ) VR, Vset (160V ADJ) VR, Ve (155V ADJ) VR, Va (70V ADJ) VR and Vscan (-60V ADJ) VR so that the Vs, Vset, Ve, Va and Vscan voltage coincides with the values in the voltage label. Input a NTSC all-black signal and check that it coincides with the values in the voltage label. Readjust if the adjusted value is different from those in the voltage label. <p>NOTE:</p> <ul style="list-style-type: none"> Designed value for the panel is printed on a label on the upper-right at the back of the PDP. (See Fig.3.) <p>< When MAIN POWER PWB is replaced ></p> <p>CAUTION:</p> <ul style="list-style-type: none"> Before making adjustments, be sure not to turn on the power when the CN8002, CN8003, CN8005, CN8006 and CN8008 connectors are connected, as this may cause the PDP to break down. <ol style="list-style-type: none"> Disconnect the CN8002, CN8003, CN8005, CN8006 and CN8008 connectors on the MAIN POWER PWB. Connect the DC voltmeter, load resistor (1kΩ), DC power supply and switch SW1 to the CN0C4 connector and turn on the main power and switch SW1. (See Fig.2.) Adjust Vs (170V ADJ) VR, Vset (160V ADJ) VR, Ve (155V ADJ) VR, Va (70V ADJ) VR and Vscan (-60V ADJ) VR so that the Vs, Vset, Ve, Va and Vscan voltage coincides with the values in the voltage label. Turn off the main power and switch SW1, and connect the CN8002, CN8003, CN8005, CN8006 and CN8008 connectors and turn on the power again. Input a NTSC all-black signal and check that it coincides with the values in the voltage label. If the adjusted value is different from those in the voltage label, fine-tune without unplugging the connectors. <p>CAUTION:</p> <ul style="list-style-type: none"> Designated power supply voltage of the panel (Vs, Vset, Ve, Va, Vscan) varies according to the PDP unit. Pay careful attention during adjustment, as any error in procedure may cause the PDP to break down.

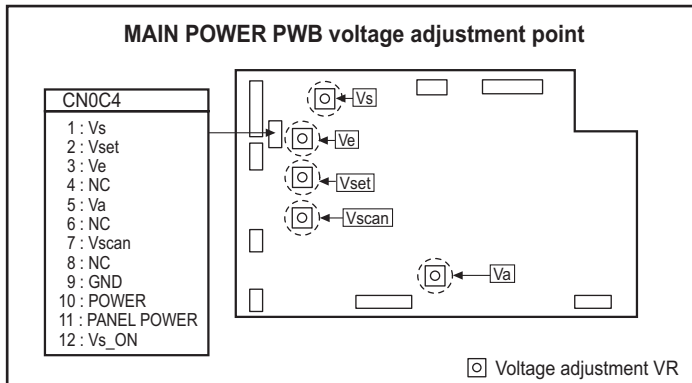


Fig.1

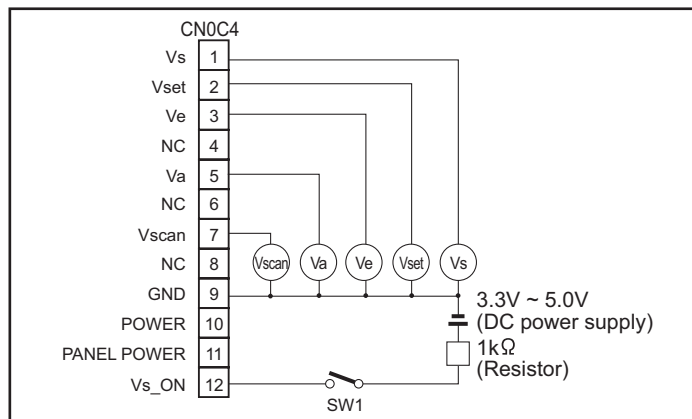


Fig.2

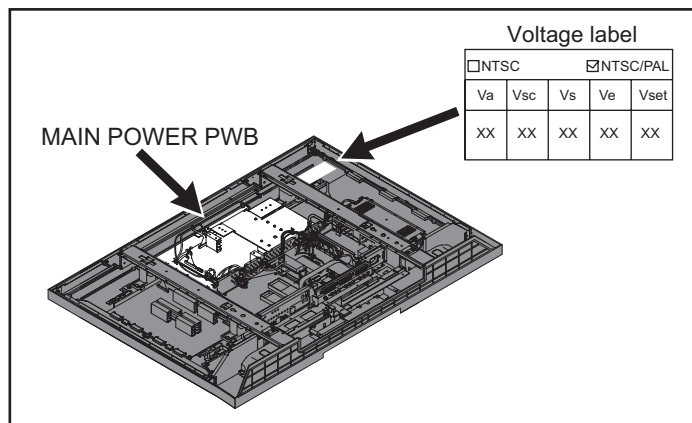

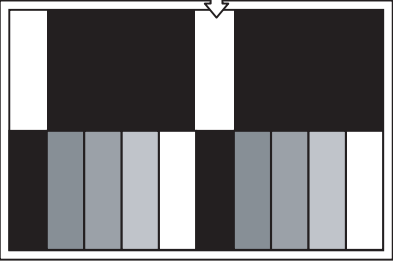
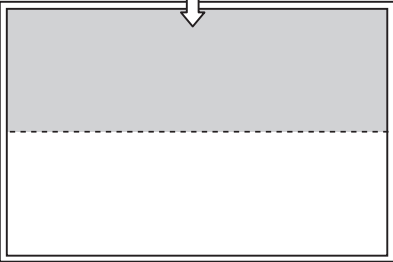


Fig.3

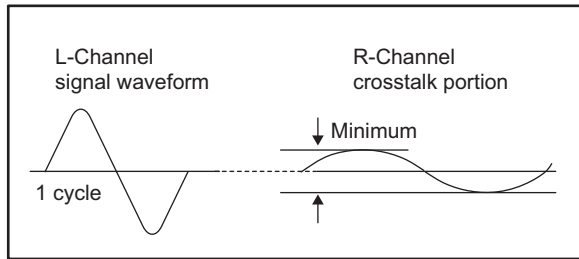
4.7.2 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
525i A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S008: 5i CB OF(525i cb offset) S009: 5i CR OF(525i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 525i component ramp pattern signal. (2) Set "VIDEO STATUS" to " STANDARD ". (3) Set "ASPECT" to " FULL ". (4) Set "COLOR TEMPERATURE" to " LOW ". (5) Select " 1.ADJUST " from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031 > (G DRIVE) and < S032 > (B DRIVE) to " 133 ". (7) Set < S001 > (adjustment setting mode change) to set " 008 " and it change to the 525i A-D offset adjustment setting mode. (8) Adjust < S008 > (525i Cb offset) and < S009 > (525i Cr offset) to lose the gap (red line, green line and blue line) which appears at both ends of a white part at the center of the screen. (9) Set < S001 > to set " 000 " and it change to the normal mode. (10) Press the [MUTING] key to memoirize the set value.
 <p>Disappears the color at both ends.</p>				
1125i BRIGHTNESS	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S012: HD BL(1125i brightness) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i gray scale pattern signal . (2) Set "VIDEO STATUS" to " STANDARD ". (3) Set "ASPECT" to " FULL ". (4) Set "COLOR TEMPERATURE" to " LOW ". (5) Select " 1.ADJUST " from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031 > (G DRIVE) and < S032 > (B DRIVE) to " 133 ". (7) Set < S001 > (adjustment setting mode change) to set the values " 012 " and it change to the 1125i black level adjustment setting mode. (8) Adjust < S012 > (1125i brightness) to set the 0% black part in the upper half of the screen to be brightest. (9) Set < S001 > to set " 000 " and it change to the normal mode. (10) Press the [MUTING] key to memoirize the set value.
<p>Set the 0% black part to be brightest.</p> 				
1125i A-D OFFSET	Remote control unit Signal generator		[1.ADJUST] S001: PREPARE (Adjustment setting mode change) S013: HD CB OF(1125i cb offset) S014: HD CR OF(1125i cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	(1) Receive a 1125i 30% all white pattern signal. (2) Set "VIDEO STATUS" to " STANDARD ". (3) Set "ASPECT" to " FULL ". (4) Set "COLOR TEMPERATURE" to " LOW ". (5) Select " 1.ADJUST " from the SERVICE MODE. (6) Set < S030 > (R DRIVE), < S031 > (G DRIVE) and < S032 > (B DRIVE) to " 133 ". (7) Set < S001 > (adjustment setting mode change) to set " 013 " and it change to the 1125i A-D offset adjustment setting mode. (8) Adjust < S013 > (1125i Cb offset) to minimize the blue noise in the upper half of the screen. (9) Adjust < S014 > (1125i Cr offset) to minimize the blue noise in the upper half of the screen. (10) Set < S001 > to set " 000 " and it change to the normal mode. (11) Press the [MUTING] key to memoirize the set value.
<p>Minimize the red and blue noises in the upper half of the screen.</p> 				

Item	Measuring instrument	Test point	Adjustment part	Description
SUB SCREEN A-D OFFSET	Remote control unit		[1.ADJUST] S001: PREPARE (Adjustment setting mode change)	<div>(1) Set "VIDEO STATUS" to "STANDARD".</div> <div>(2) Set "ASPECT" to "FULL".</div> <div>(3) Set "COLOR TEMPERATURE" to "LOW".</div> <div>(4) Set "MULTI SCREEN" to "TWIN".</div> <div>(5) Receive a NTSC 30% all white pattern signal on the Right screen. At the same time, set the Left screen in VIDEO-1 mode (No signal).</div> <div>(6) Select "1.ADJUST" from the SERVICE MODE.</div> <div>(7) Set < S030 > (R DRIVE), < S031> (G DRIVE) and < S032 > (B DRIVE) to "133".</div> <div>(8) Set < S001 > (adjustment setting mode change) to set "017" and it change to the sub screen A-D offset adjustment setting mode.</div> <div>(9) Adjust < S016 > (Sub screen cb offset) to minimize the blue noise in the upper half of the screen.</div> <div>If you select an adjustment item < S016 >, then the screen automatically turn to twin pictures mode.</div> <div>(10) Adjust < S017 > (Sub screen cr offset) to minimize the red noise in the upper half of the screen.</div> <div>(11) Readjust < S016 > and < S017 > to set the upper half of the screen to be the blackest. (See Fig.9)</div> <div>(12) Set < S001 > to set "000" and it change to the normal mode.</div> <div>(13) Press the [MUTING] key to memoirrize the set value.</div>
	Signal generator		S016: RT CB OF (Sub screen cb offset) S017: RT CR OF (Sub screen cr offset) S030: R DRIVE(Red drive) S031: G DRIVE(Green drive) S032: B DRIVE(Blue drive)	
<div>Set the 0% block part to be brightest.</div> <div></div> <div>VIDEO-1 <NO SIGNAL></div> <div>TV(RF) <30% all white></div>				
WHITE BALANCE (HIGHLIGHT)	Remote control unit		[1.ADJUST] S030: R DRIVE (Red drive) S031: G DRIVE (Green drive) S032: B DRIVE (Blue drive)	<div>(1) Receive a NTSC 75% all white signal.</div> <div>(2) Set "VIDEO STATUS" to "STANDARD".</div> <div>(3) Set "ASPECT" to "FULL".</div> <div>(4) Select "COLOR TEMPERATURE" to "LOW".</div> <div>(5) Select "1.ADJUST" from the SERVICE MODE.</div> <div>(6) Adjust to keep one of < S030 > (Red drive), < S031 > (Green drive) or < S032 > (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout.</div> <div>NOTE: Set one or more of < S030 >, < S031 >, and < S032 > to "133".</div> <div>(7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it.</div> <div>(8) Press the [MUTING] key to memoirrize the set value.</div>
	Signal generator			

4.7.3 MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL	Remote control unit Signal generator		[1.ADJUST] T001: IN LEVEL	(1) Receive the any broadcast. (2) Select " 1.ADJUST " from the SERVICE MODE. (3) Verify that the < T001 > (IN LEVEL) is set at its initial setting value. (4) Press the [MUTING] key to memorize the set value.
MTS SEPARATION	TV audio multiplex signal generator Oscilloscope Remote control unit	L OUT R OUT	[1.ADJUST] T002: LOW SEP T003: HI SEP	(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. (2) Connect an oscilloscope to L OUT pin of the AUDIO OUT , and display one cycle portion of the 300Hz signal. (3) Change the connection of the oscilloscope to R OUT pin of the AUDIO OUT , and enlarge the voltage axis. (4) Select " 1.ADJUST " from the SERVICE MODE. (5) Set the initial setting value of the < T002 > (LOW SEP). (6) Adjust the < T002 > so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust the < T003 > (HI SEP). (8) Press the [MUTING] key to memorize the set value.



SECTION 5 TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure. Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I²C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

Before entering the Self check Display mode, confirm that the setting of **TV/CATV** SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR/DVD SW is at the "VCR" side. If the switches have not been properly set, you cannot enter the Self check Display mode.

- (1) Set to "**0 minutes**" using the **[SLEEP TIMER]** key.
 - (2) Press the **[VIDEO STATUS]** key and **[DISPLAY]** key simultaneously, then enter the service mode.
 - (3) Press the **[2]** key (SELF_CHK) before the service mode screen disappears.
 - (4) Press the **[SLEEP TIMER]** key to enter Page 2 of the SELF CHECK MODE.
- When the **[RETURN+]** key pressed, the first page change screen.

NOTE:

When a number key other than the **[2]** key is pressed in the SERVICE MENU SCREEN, the other relevant screen may be displayed.

This is not used in the SELF CHECK. Press the **[MENU]** key to return to the SERVICE MENU SCREEN.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

To Clear (Reset) Failure History:

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and displayed and counted as "NG".

- (1) Temporary defective transmissions across circuits due to pulse interruptions
- (2) Misalignment in the on/off timing of power for I²C bus (VCC) when turning on/off the main power.

Diagnosis may be impeded if a large number of items are displayed as "NG". As such, start Self check check only after 3 seconds in the case of receivers and 5 seconds in the case of panels upon turning on the power. If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis results.

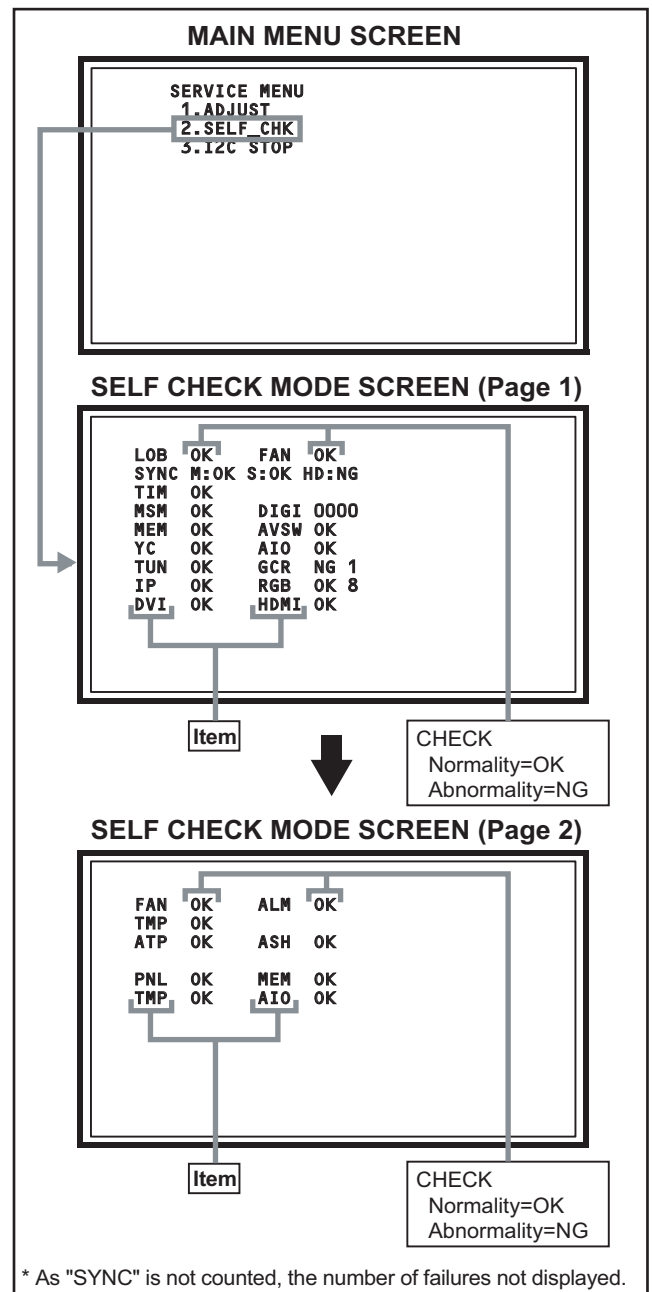


Fig.1

5.1.6 DETAILS

Self check is performed for the following items:

< Page 1 of screen >

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Low bias line short protection	LOB	Confirm the operation of the low bias (2.5V / 3.3V / 5V / 9V) protection circuit. Q9822 [REGULATOR PWB]	LB_PRO	Detection starts 3 seconds after the power is turned on. If error continues between 400ms the power is turned off.
Fan lock	FAN	Confirm the operation of the cooling fan. IC711 [ANALOG SIGNAL PWB]	FAN_LOCK	Detection starts 3 seconds after the power is turned on. If error continues between 250ms the power is turned off.
Presence of sync signal	SYNC	Confirmation of presence of video sync signal. M : Main sync signal S : Sub sync signal HD : Component sync signal IC201 [ANALOG SIGNAL PWB]	SDA	Confirmation of presence of sync signal in video signal.
AC power input	TIM	Not used.	---	---
Main CPU communication	MSM	Confirmation of ACK (response) signal which uses sync communications with Chassis CPU. IC7601 [DIGITAL SIGNAL PWB]	WAKE	If it checks whenever sync communication with SHM performed and no reply of ACK signal an error will be counted.
Digital tuner	DIGI	Not used.	---	---
Main memory	MEM	Confirmation of reply of ACK signal which uses I ² C communication. IC7602 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
AV select switch	AVSW	Same as above. IC301 , IC501 [ANALOG SIGNAL PWB]	SDA	Same as above.
3 dimensions YC separator	YC	Same as above. IC1001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
Multi sound process	AIO	Same as above. IC3101 [RECEIVER PWB]	SDA	Same as above.
RF tuner	TUN	Same as above. TU3001 [RECEIVER PWB]	SDA	Same as above.
Ghost reduction	GCR	Not used.	---	---
DIST process	IP	Confirmation of reply of ACK signal which uses I ² C communication. IC3001 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
RGB process	RGB	Same as above. IC4001 [DIGITAL SIGNAL PWB]	SDA	Same as above.
DVI (Digital communication)	DVI	Not used.	---	---
Digital input	HDMI	Confirmation of reply of ACK signal which uses I ² C communication.	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.

Detection item	Display	Detection content	Diagnosis signal (line)	Detection timing
Fan lock	FAN	Not used.	---	Not used.
Abnormal of operation of PDP (PANEL)	ALM	Confirm the operation of the panel protection. [PDP UNIT]	SDA	Detection starts 8 seconds after the power is turned on. Detection is performed every 16ms. If errors continues between 300ms the power is turned off.
Abnormal rise of temperature in PDP (PANEL)	TMP	It detects whether the temperature in a display unit is normal. IC8101 [TEMP. SENSOR PWB]	SDA	Detection starts 8 seconds after the power is turned on. Detection is performed every 0.5 seconds. If a temperature rises beyond the temperature of 71°C for detection of error over the predetermined 120 times the power is turned off.
Abnormal rise of temperature in AUDIO PWB	ATP	Not used.	---	---
Short circuit detection of AUDIO PWB	ASH	Not used.	---	---
Panel communication	PNL	It confirm whether panel communication is normal. [PDP UNIT]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
Panel memory	MEM	Confirmation of reply of ACK signal which uses I ² C communication. IC805 [DIGITAL SIGNAL PWB]	SDA	If it checks whenever I ² C communication is performed and no reply of ACK signal an error will be counted.
Temp. sensor operation	TMP	Same as above. IC8101 [TEMP. SENSOR PWB]	SDA	Same as above.
Audio control	AIO	Same as above. IC6521 [AUDIO PWB]	SDA	Same as above.

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

Type of error	Display	POWER LED flash cycle
Low bias line short protection	LOB	Low luminance blue Flash 1.0 second / Low luminance blue Out 1.0 seconds
Fan lock	FAN	Low luminance blue Flash 0.1 second / Low luminance blue Out 0.1 seconds
Abnormal of operation of PDP (PANEL)	ALM	High luminance blue Flash 1.0 second / High luminance blue Out 1.0 seconds
ATSC digital tuner communication error	---	Low luminance blue Flash 2.0 second / Low luminance blue Out 2.0 seconds
Abnormal rise of temperature in PDP (PANEL)	TMP	High luminance blue Flash 2.0 second / High luminance blue Out 2.0 seconds

< Explanation of operation >

If error is detected, the power is turned off.

Shortly after a power is turned off, POWER LED will be blinked.

Power cannot be turned on until the power cord takes out and inserts, after a power is turned off.



Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY DISPLAY CATEGORY 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA291)



Printed in Japan
VPT

JVC

SCHEMATIC DIAGRAMS

PDP COLOR TELEVISION

PD-42X776/s

CD-ROM No.SML200505

BASIC CHASSIS

FP3



*I'Art*TM PALETTE

D.I.S.T.
Digital Image Scaling Technology

HDTV

HDMITM
HIGH-DEFINITION MULTIMEDIA INTERFACE

BBE

i

DCR


DOLBY
DIGITAL

PD-42X776/s

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the  symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k Ω /V
- (4)Oscilloscope sweeping time : H \Rightarrow 20 μ s / div
: V \Rightarrow 5ms / div
: Others \Rightarrow Sweeping time is specified
- (5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R209 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3)Coils

- No unit : [μ H]
- Others : As specified

(4)Power Supply



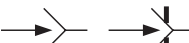
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

* Respective voltage values are indicated





(5)Test point

-  : Test point
-  : Only test point display



(6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

(7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

- ◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list. When ordering parts, please use the numbers that appear in the Parts List.

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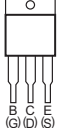
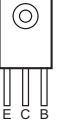
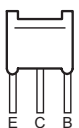
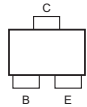
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USING P.W. BOARD


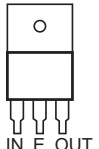
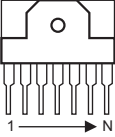
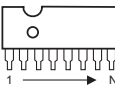
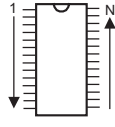
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AUDIO P.W. BOARD	SFP-6010A-M2
INTERFACE P.W. BOARD	SFP-7514A-M2
FRONT CONTROL P.W. BOARD	SFP-8511A-M2
FRONT LED P.W. BOARD	SFP-8511A-M2
TEMP.SENSOR P.W. BOARD	SFP-8511A-M2
SD CARD P.W. BOARD	SFP-8512A-M2
SUB POWER P.W. BOARD	SFP-9523A-M2
REGULATOR P.W. BOARD	SFP-9524A-M2
LINE FILTER P.W. BOARD	SFP-9525A-M2
MAIN POWER P.W. BOARD	SFP-9526A-M2
ANALOG SIGNAL P.W. BOARD	SFP0A508A-M2
DIGITAL SIGNAL P.W. BOARD	SFP0D511A-M2
RECEIVER P.W. BOARD	SFP0F507A-M2
AV JACK P.W. BOARD	SFP0J507A-M2

SEMICONDUCTOR SHAPES

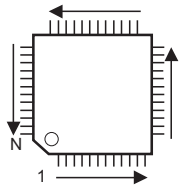
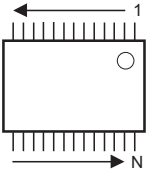
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

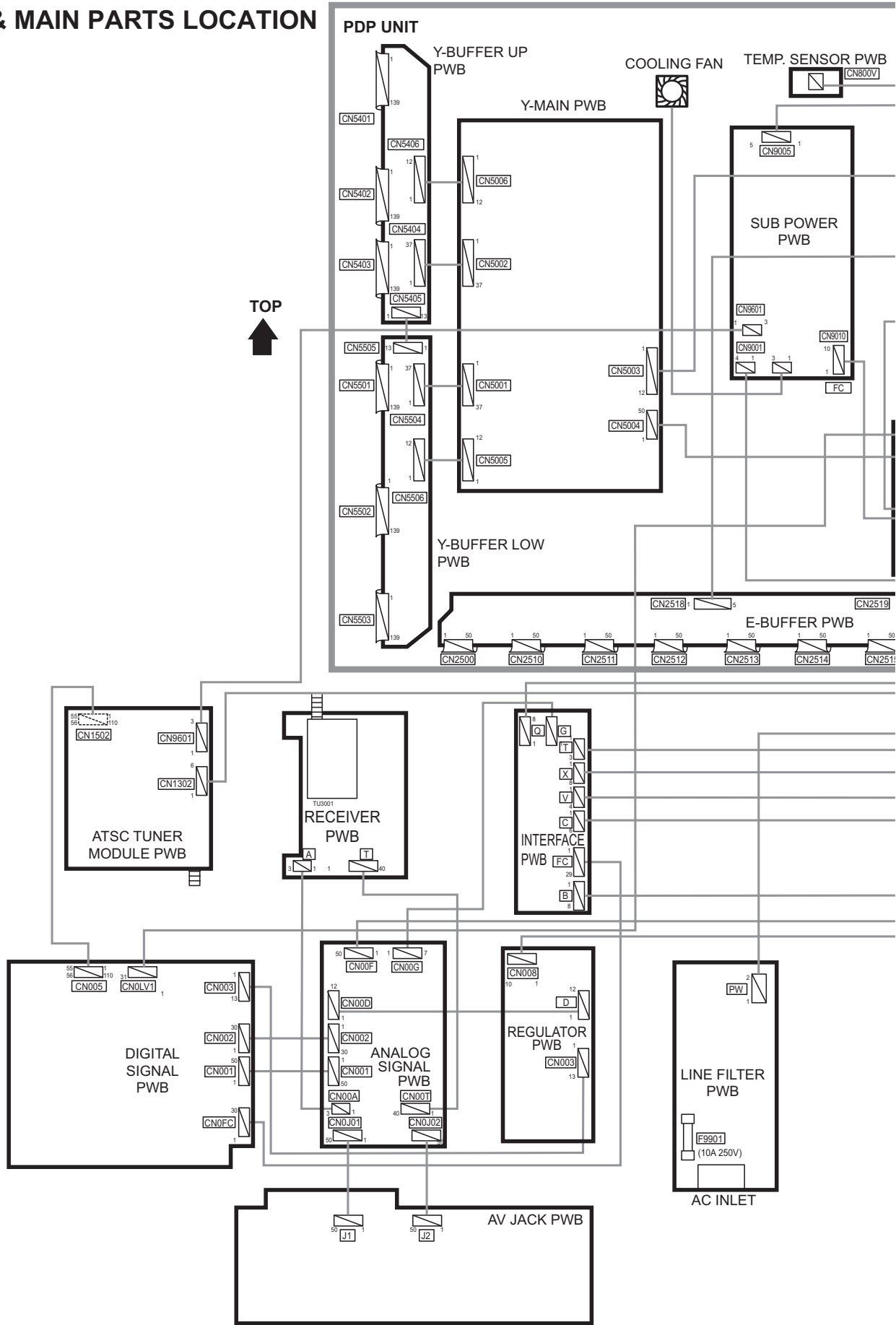
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

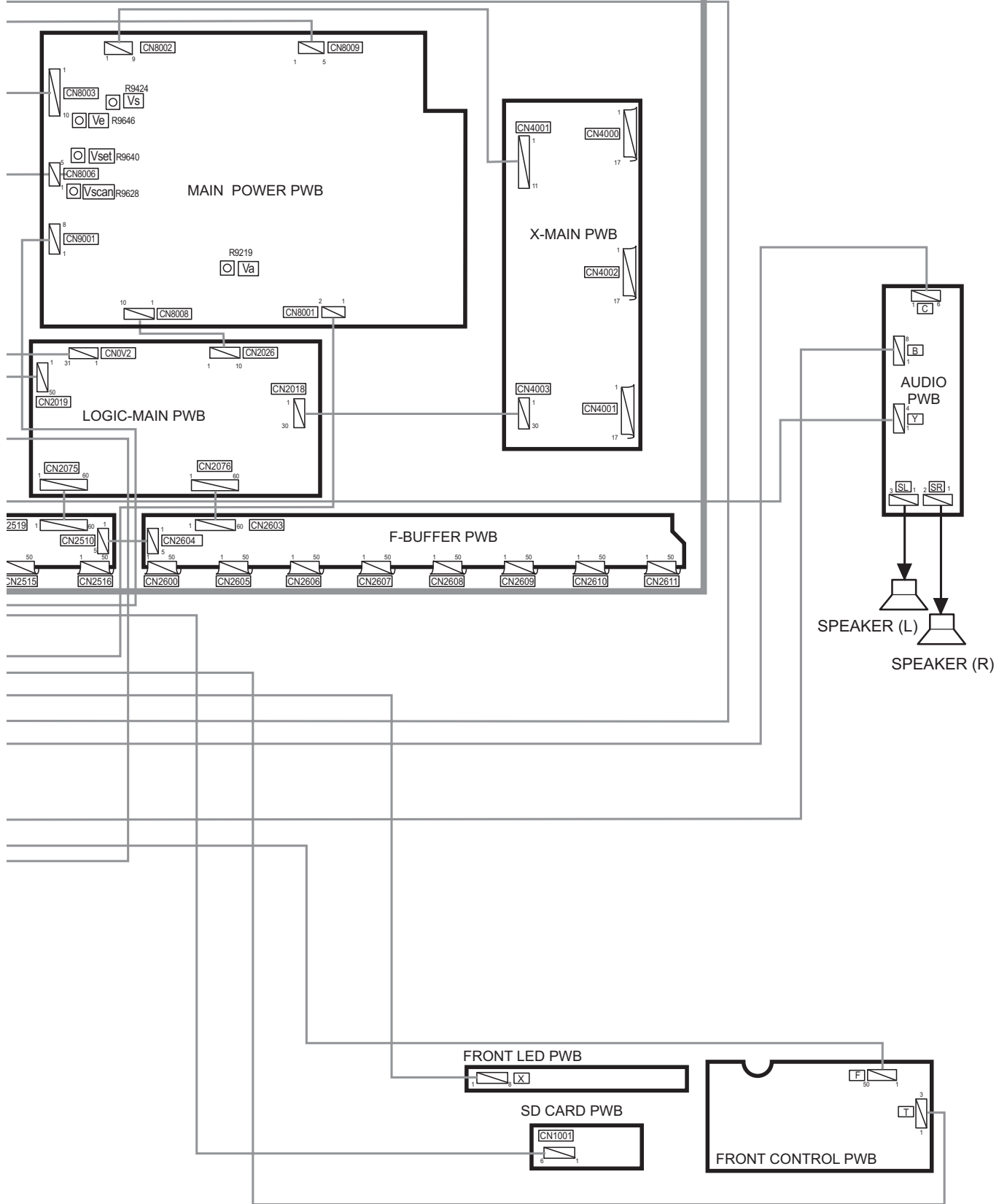
CHIP IC

TOP VIEW		
		

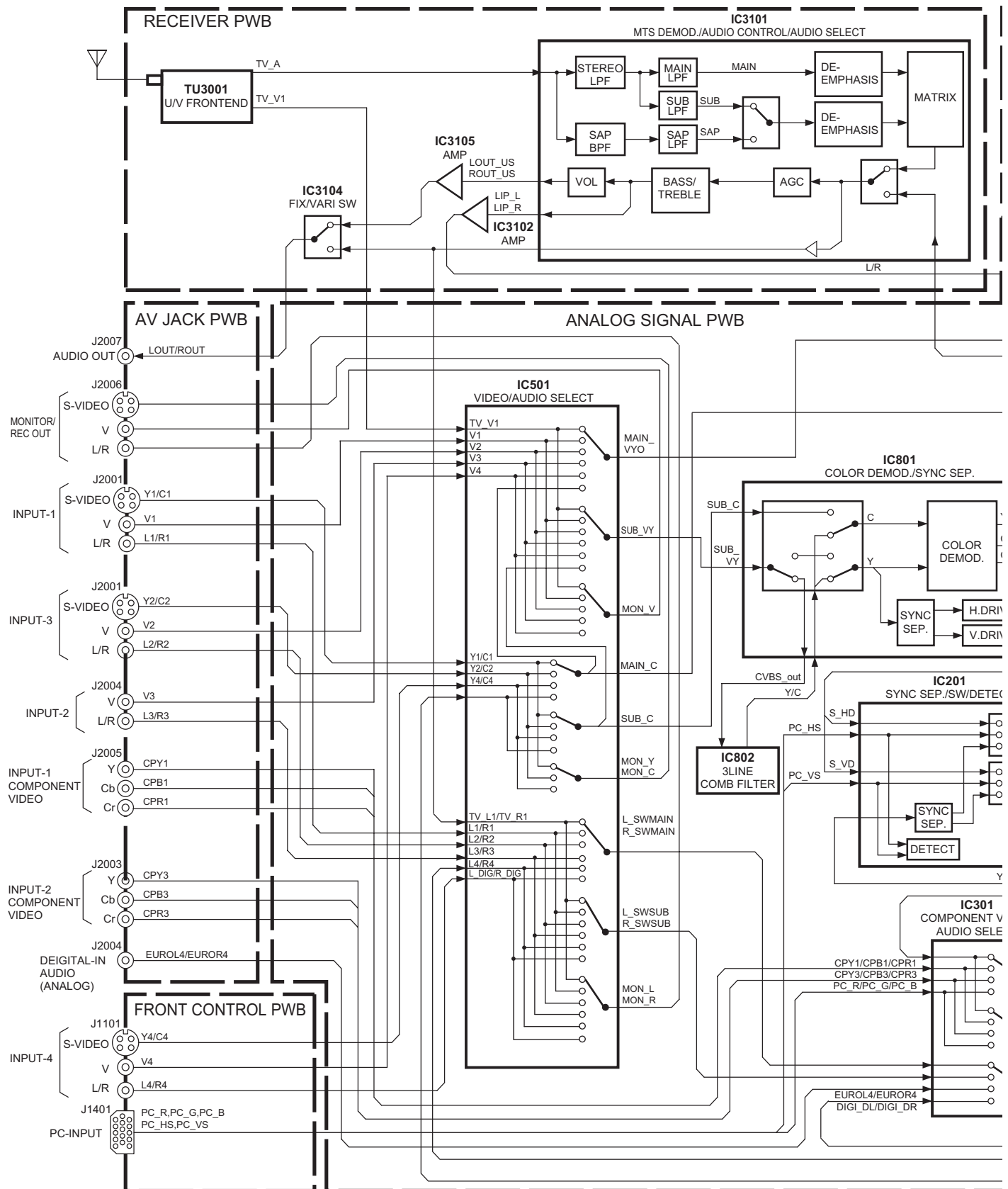
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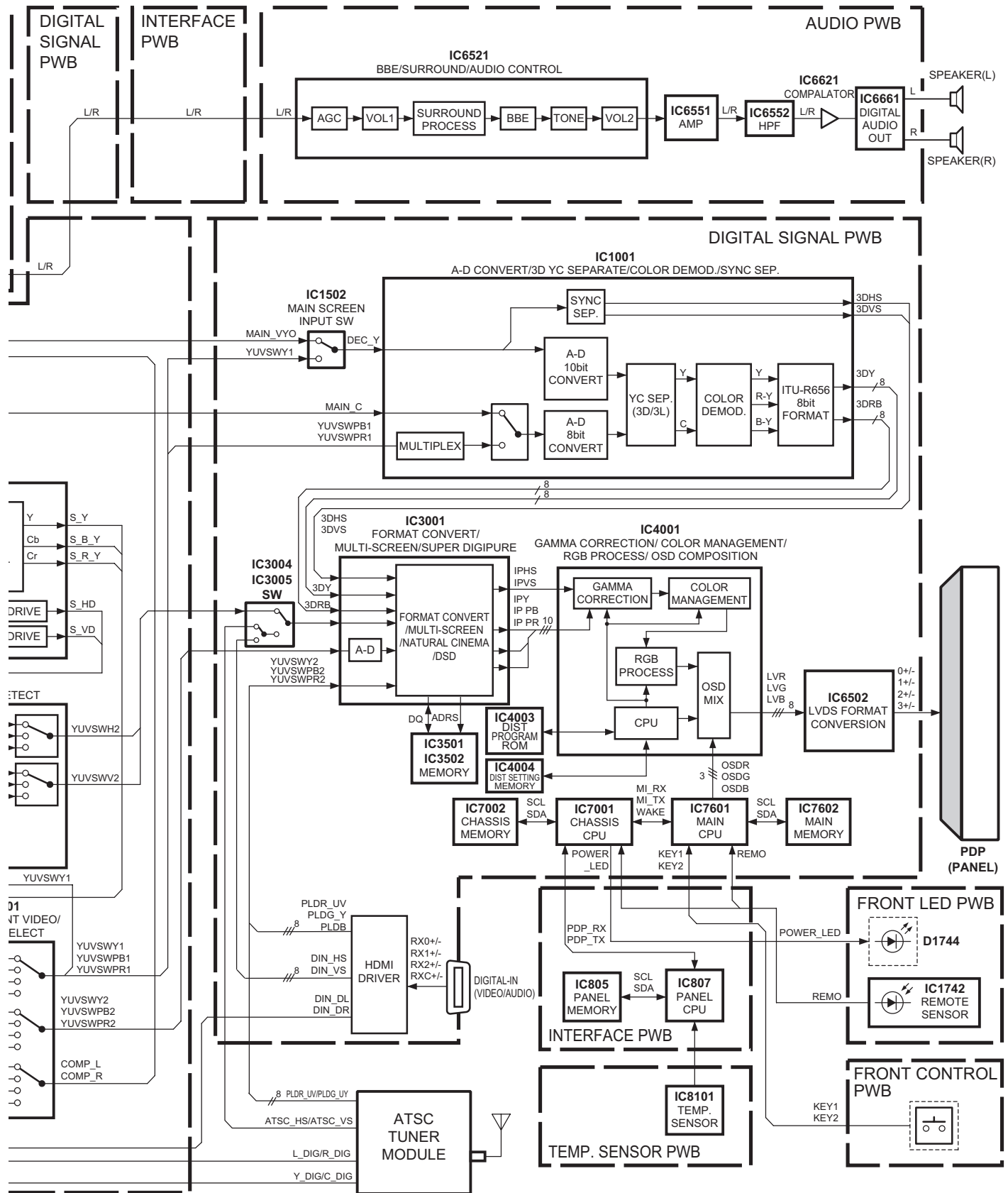


VB
IV

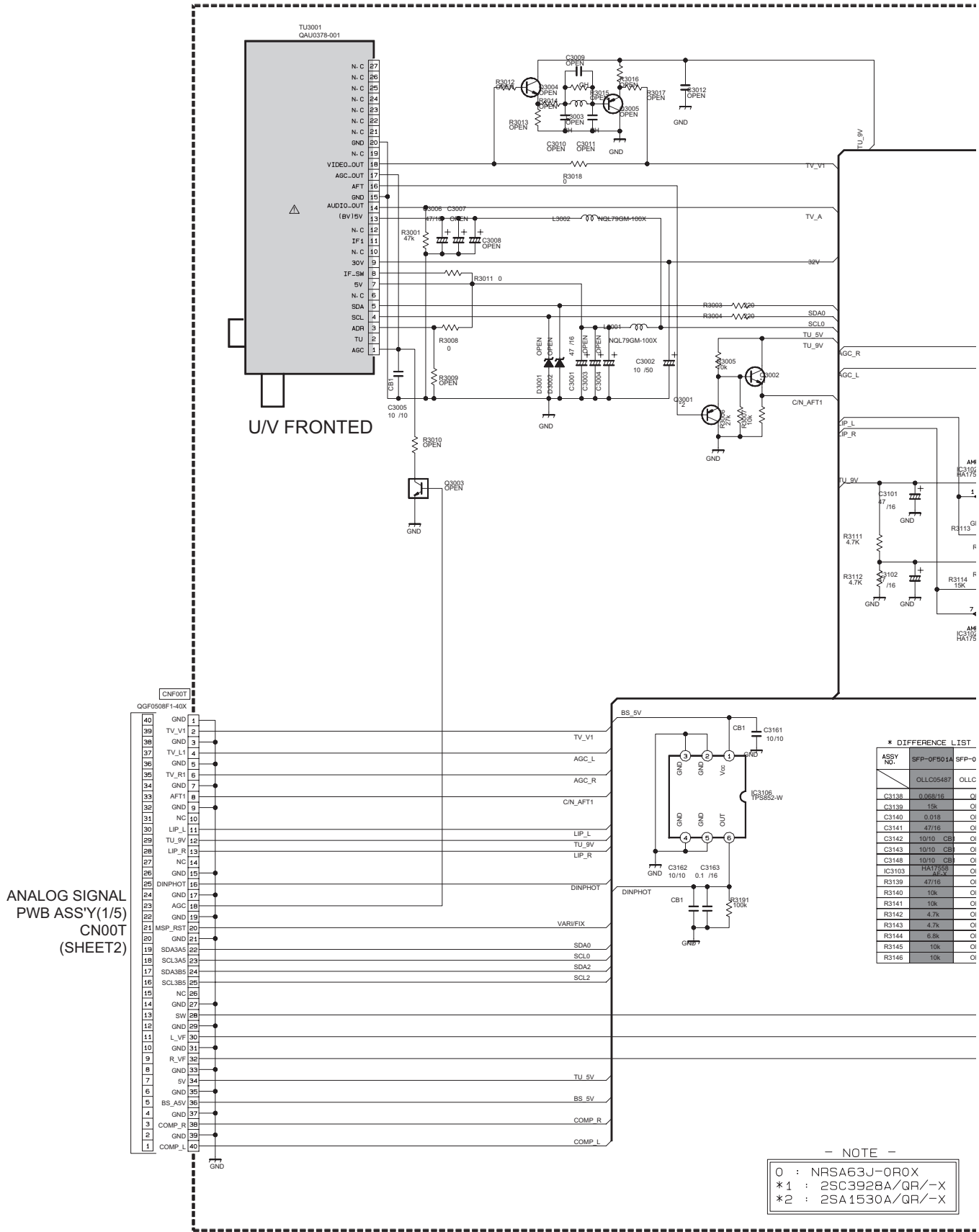


BLOCK DIAGRAM

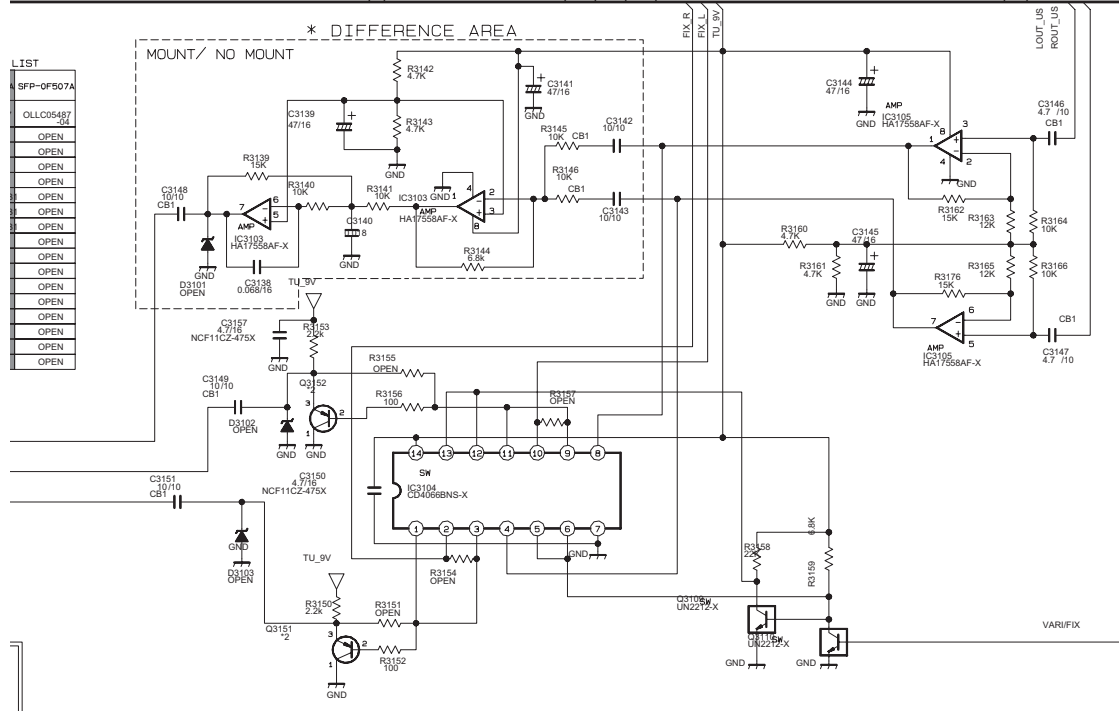




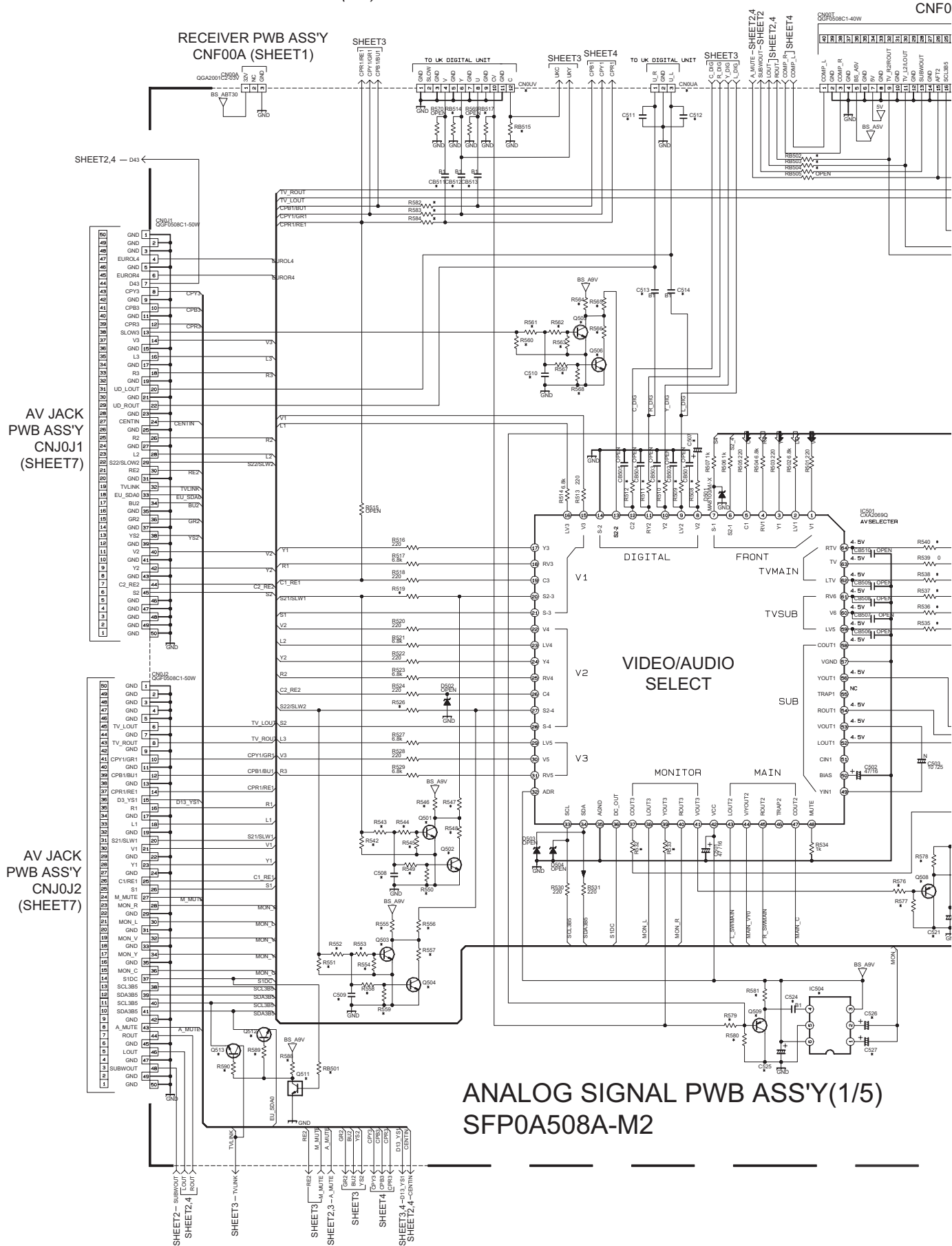
CIRCUIT DIAGRAMS
RECEIVER PWB CIRCUIT DIAGRAM SHEET 1



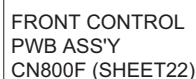
RECEIVER PWB ASS'Y
SFP0F507A-M2



(No.YA291)2-10



14	GND	27	GND
15	AF2	28	GND
16	SC13B5	29	GND
17	SC13B5	30	GND
18	SC13A5	31	GND
19	SC13A5	32	GND
20	GND	33	GND
21	MSP_RST	34	GND
22	GND	35	GND
23	AGC	36	GND
24	GND	37	GND
25	TL_ATT	38	GND
26	GND	39	GND
27	BS_AW	40	GND
28	LP_R	41	GND
29	LP_L	42	GND
30	LP_L	43	GND
31	TV_V2	44	GND
32	GND	45	GND
33	AF11	46	GND
34	TV_RIMAN_R	47	GND
35	GND	48	GND
36	TV_RIMAN_L	49	GND
37	GND	50	GND
38	GND	51	GND
39	TV_V1	52	GND
40	GND	53	GND

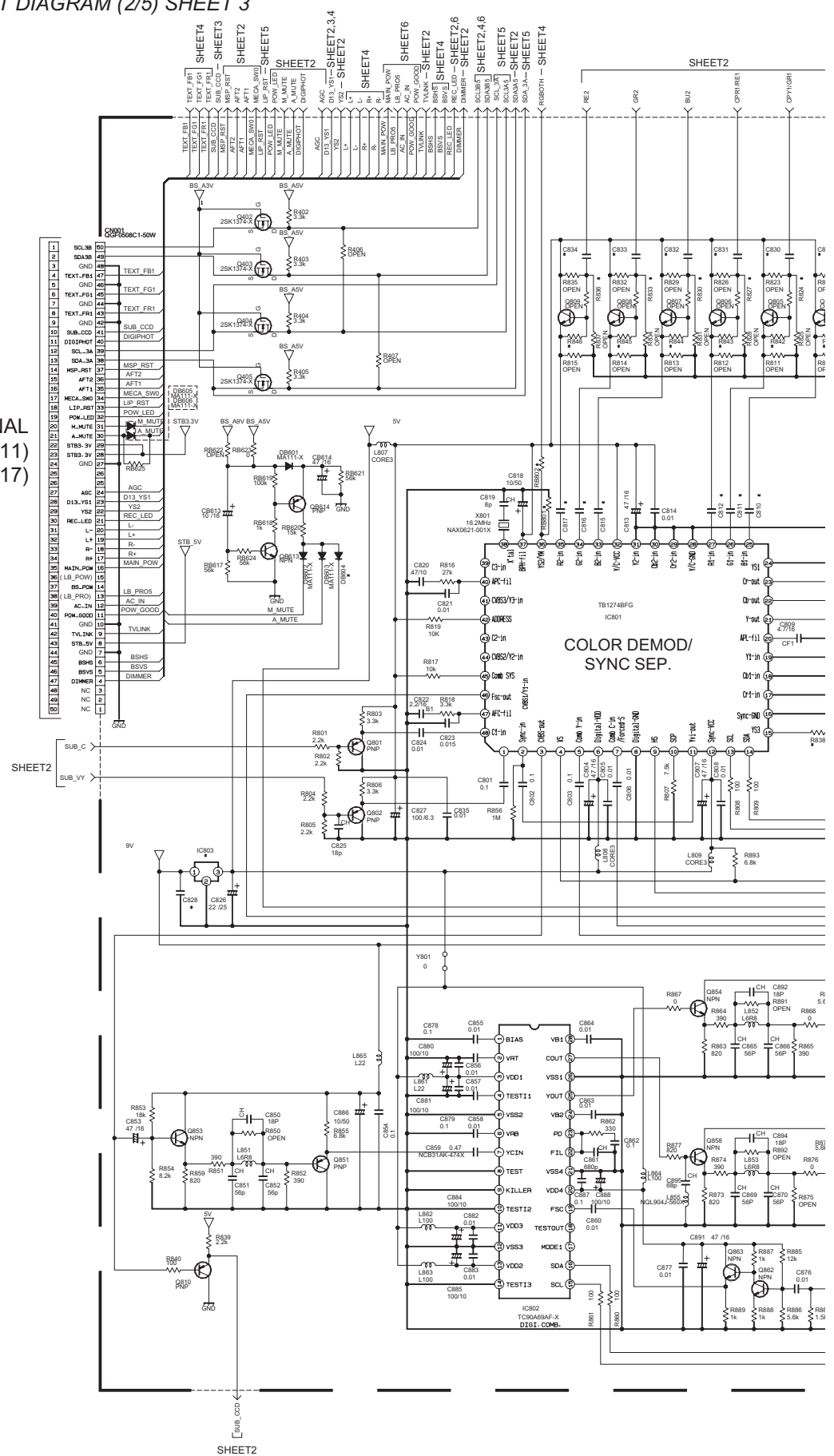


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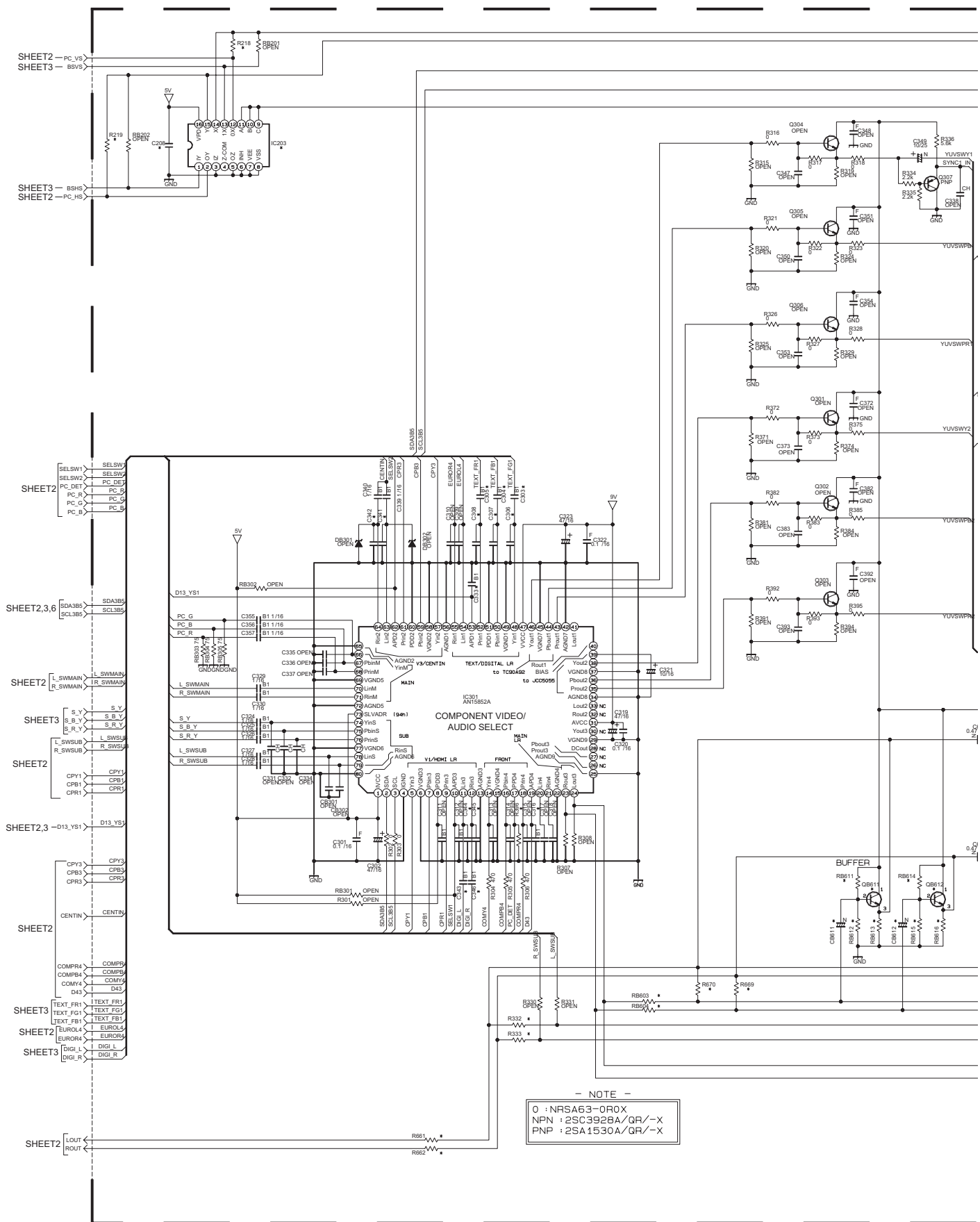
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PNP : 2SA1530A/QR/-X

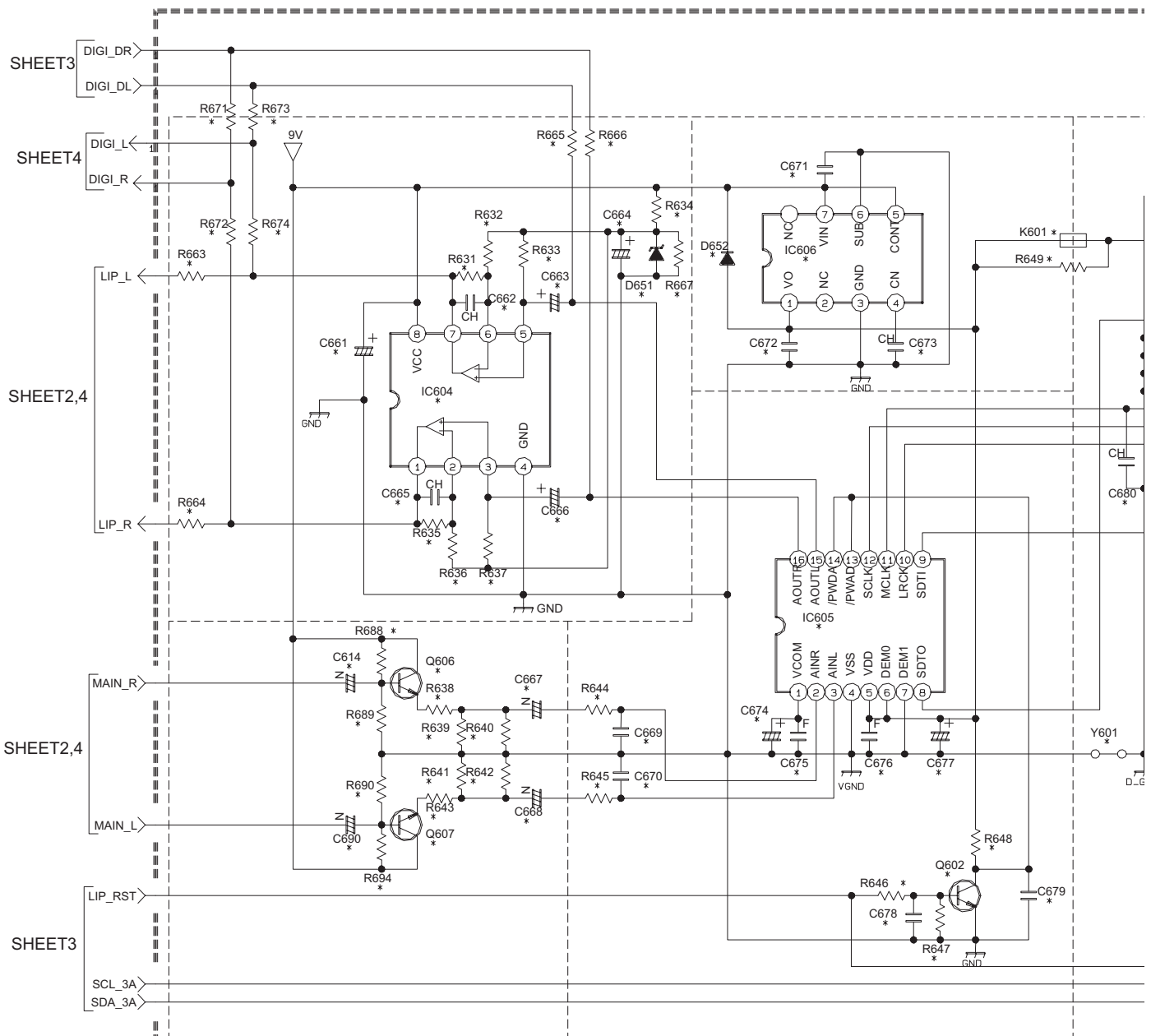
ANALOG SIGNAL PWB CIRCUIT DIAGRAM (2/5) SHEET 3

DIGITAL SIGNAL
PWB ASS'Y (10/11)
CN001 (SHEET17)

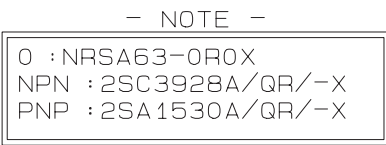


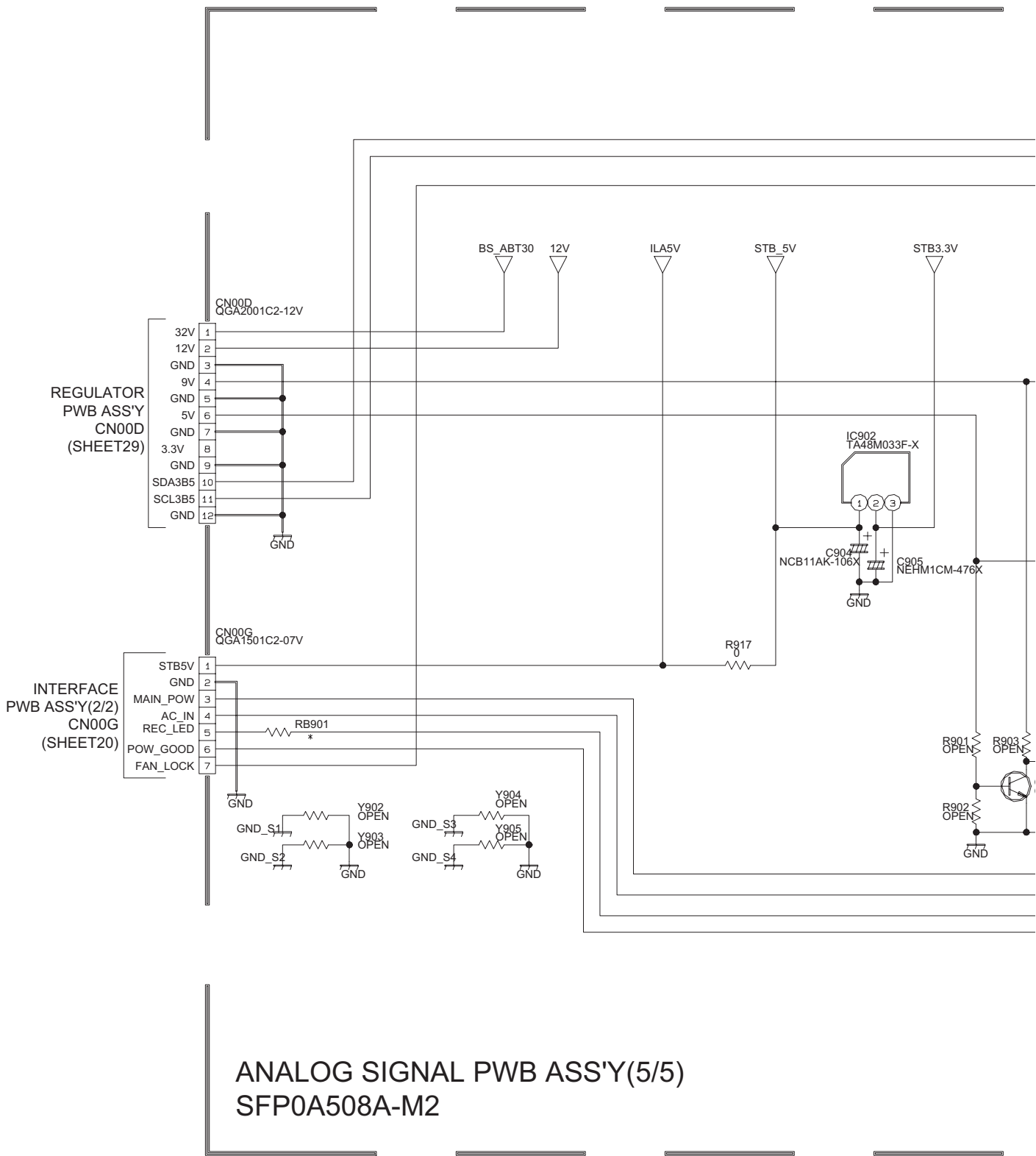
ANALOG SIGNAL PWB CIRCUIT DIAGRAM (3/5) SHEET 4





ANALOG SIGNAL PWB ASS'Y(4/5)
SFP0A508A-M2

c10214001e003 0318 3/5 0.0



- NOTE -

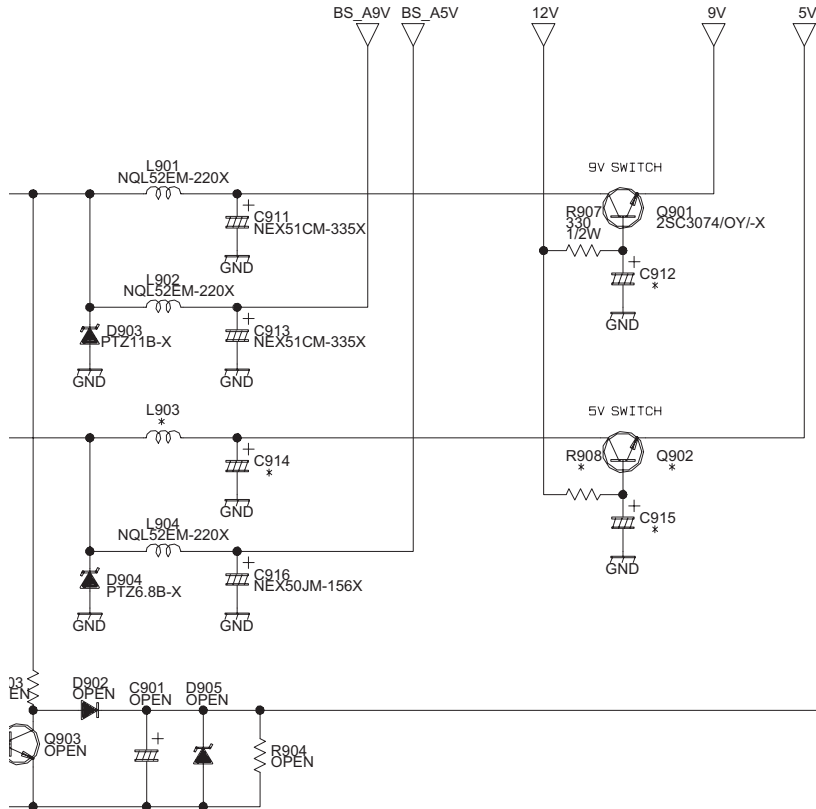
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*1 : NQR0415-005X

SDA3B5
SCL3B5

SHEET2,3,4

FAN_LOCK - SHEET3



LB_PRO5

SHEET3

MAIN_POW

AC_IN

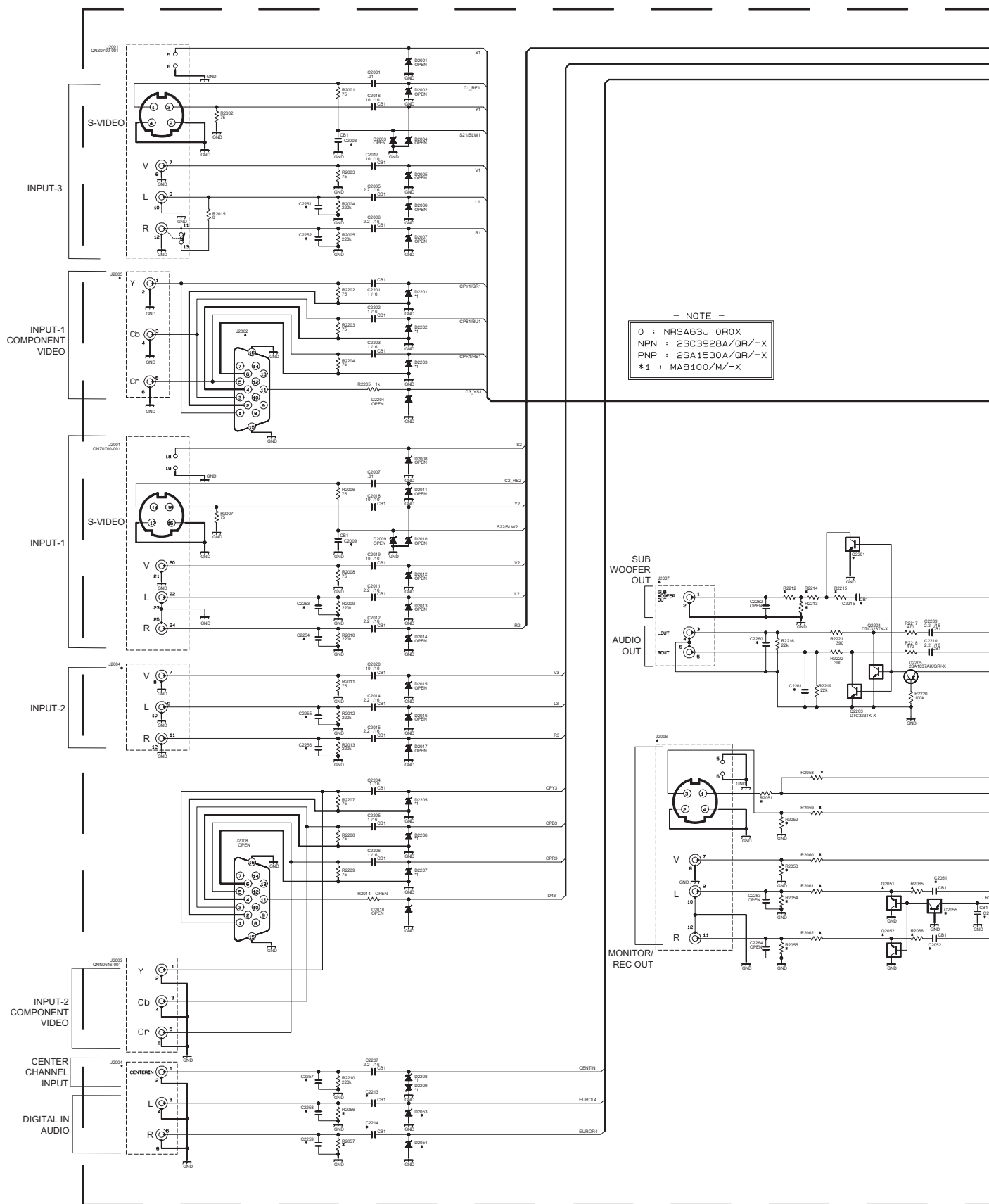
REC_LED

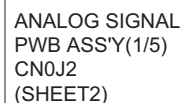
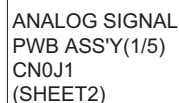
POW_GOOD

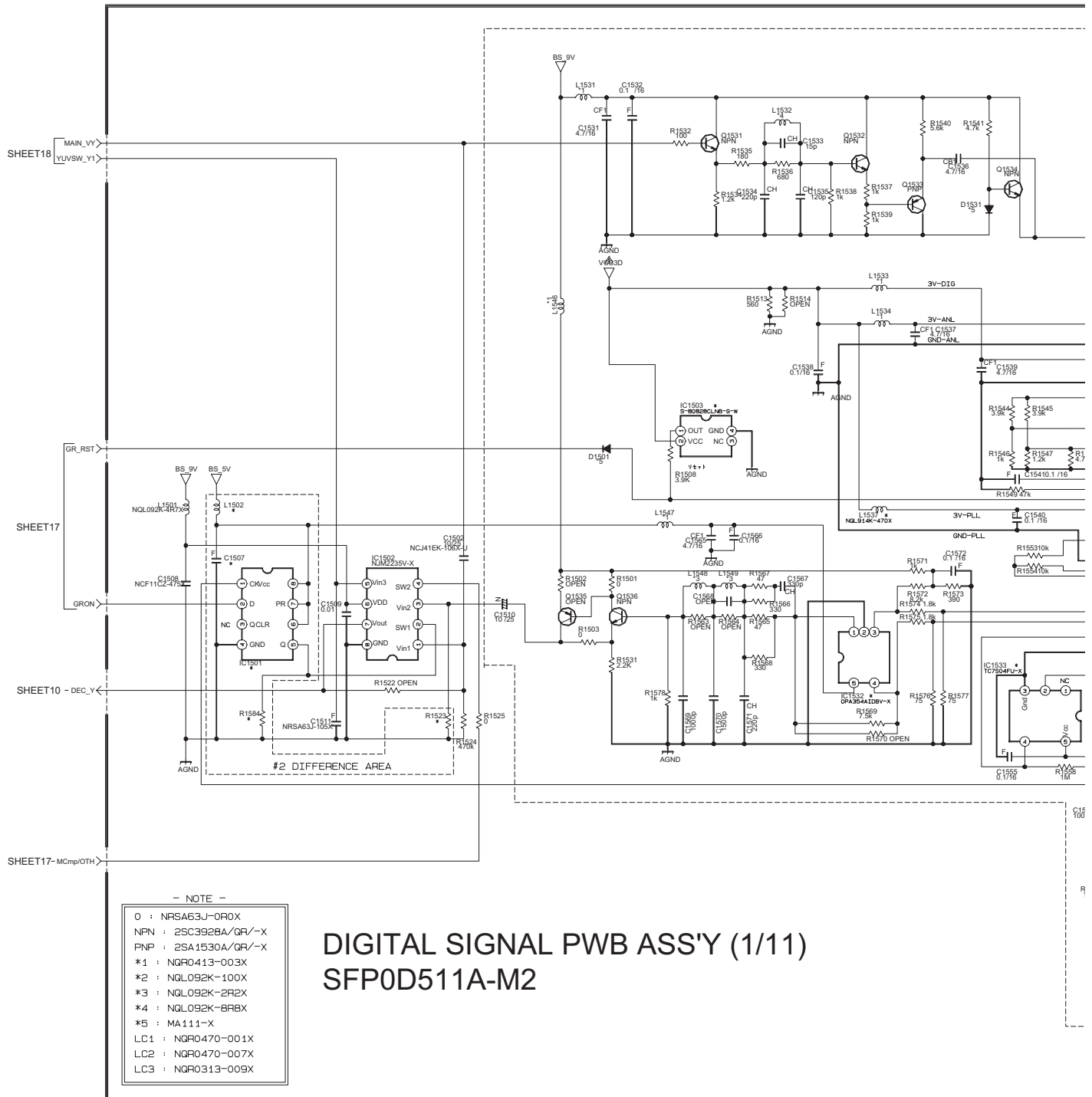
* DIFFERENCE LIST

NOTE	JPN	US	EU	ASIA etc	US SEPARATE	JPN SEPARATE	EU	ASIA SEPARATE	ASIA	KOREA SEPARATE	TAIWAN	TAIWAN SEPARATE	KOREA	US	UK
ASSY NO.	SFP-0A101A	SFP-0A503A	SFP-0A201A	SFP-0A301A	SFP-0A501A	SFP-0A102A	SFP-0A202A	SFP-0A302A	SFP-0A303A	SFP-0A504A	SFP-0A505A	SFP-0A506A	SFP-0A507A	SFP-0A508A	SFP-0A203A
OLL05106-05	OLL05106-07	OLL05106-08	OLL05106-04	OLL05106-08	OLL05106-04	OLL05106-08	OLL05106-11	OLL05106-12	OLL05106-13	OLL05106-08	OLL05106-10	OLL05106-15	OLL05106-16	OLL05106-17	OLL05106-18
RB901	0	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	0	0
C912	NEHLTCM 2107X	4716	4716	4716	4716	NEHLTCM 2107X	4716	4716	4716	4716	4716	4716	4716	4716	4716
C914	OPEN	OPEN	OPEN	OPEN	NEX50JM 180X	OPEN	NEX50JM 180X	NEX50JM 180X	NEX50JM 180X	NEX50JM 180X	NEX50JM 180X	NEX50JM 180X	NEX50JM 180X	NEX50JM 180X	NEX50JM 180X
C915	OPEN	OPEN	OPEN	OPEN	NEHLTCM 180X	OPEN	NEHLTCM 180X	NEHLTCM 180X	NEHLTCM 180X	NEHLTCM 180X	NEHLTCM 180X	NEHLTCM 180X	NEHLTCM 180X	NEHLTCM 180X	NEHLTCM 180X
L903	OPEN	OPEN	OPEN	OPEN	NQL52EM 220X	OPEN	NQL52EM 220X	NQL52EM 220X	NQL52EM 220X	NQL52EM 220X	NQL52EM 220X	NQL52EM 220X	NQL52EM 220X	NQL52EM 220X	NQL52EM 220X
Q902	OPEN	OPEN	OPEN	OPEN	ZSC3074 6V-X	OPEN	ZSC3074 6V-X	ZSC3074 6V-X	ZSC3074 6V-X	ZSC3074 6V-X	ZSC3074 6V-X	ZSC3074 6V-X	ZSC3074 6V-X	ZSC3074 6V-X	ZSC3074 6V-X
R908	OPEN	OPEN	OPEN	OPEN	NRS126J 471W	OPEN	NRS126J 471W	NRS126J 471W	NRS126J 471W	NRS126J 471W	NRS126J 471W	NRS126J 471W	NRS126J 471W	NRS126J 471W	NRS126J 471W

AV JACK PWB CIRCUIT DIAGRAM SHEET 7

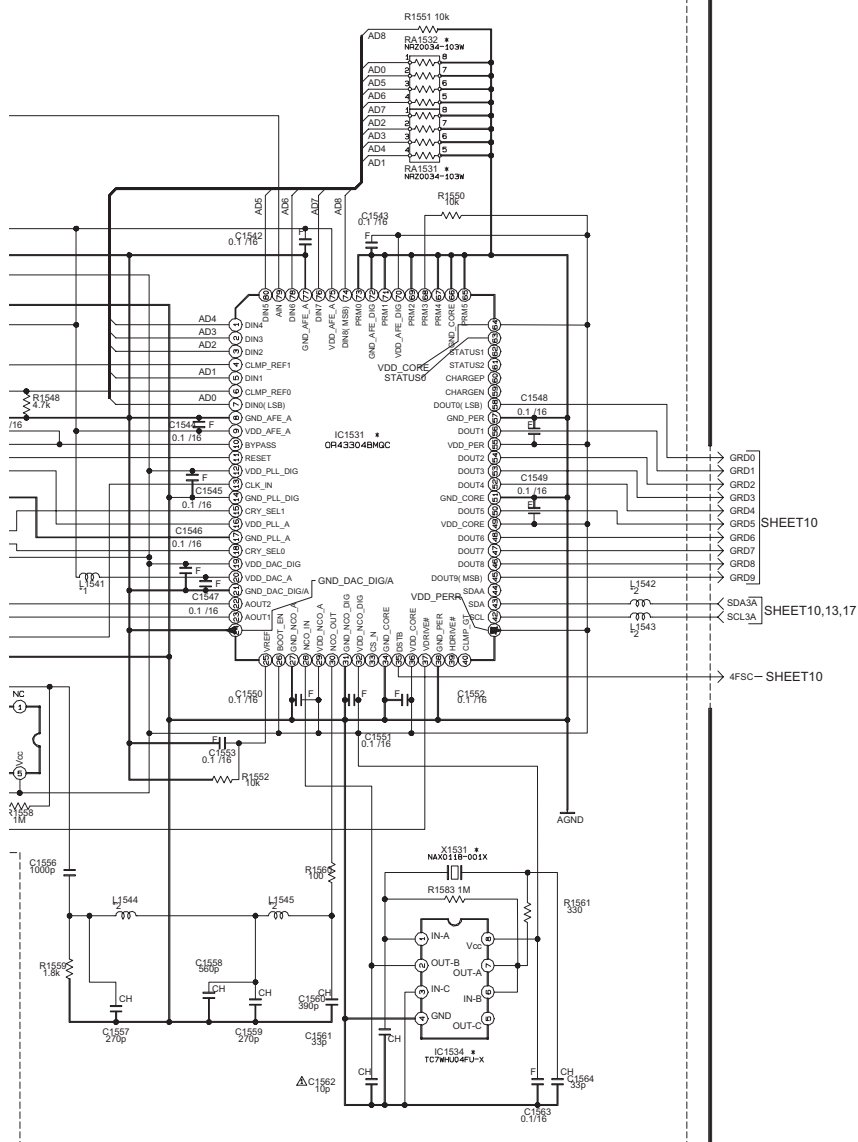






1 DIFFERENCE AREA

JPN MODEL : MOUNT
etc : NO MOUNT



*The blank part of a difference list : Refer to circuit block.

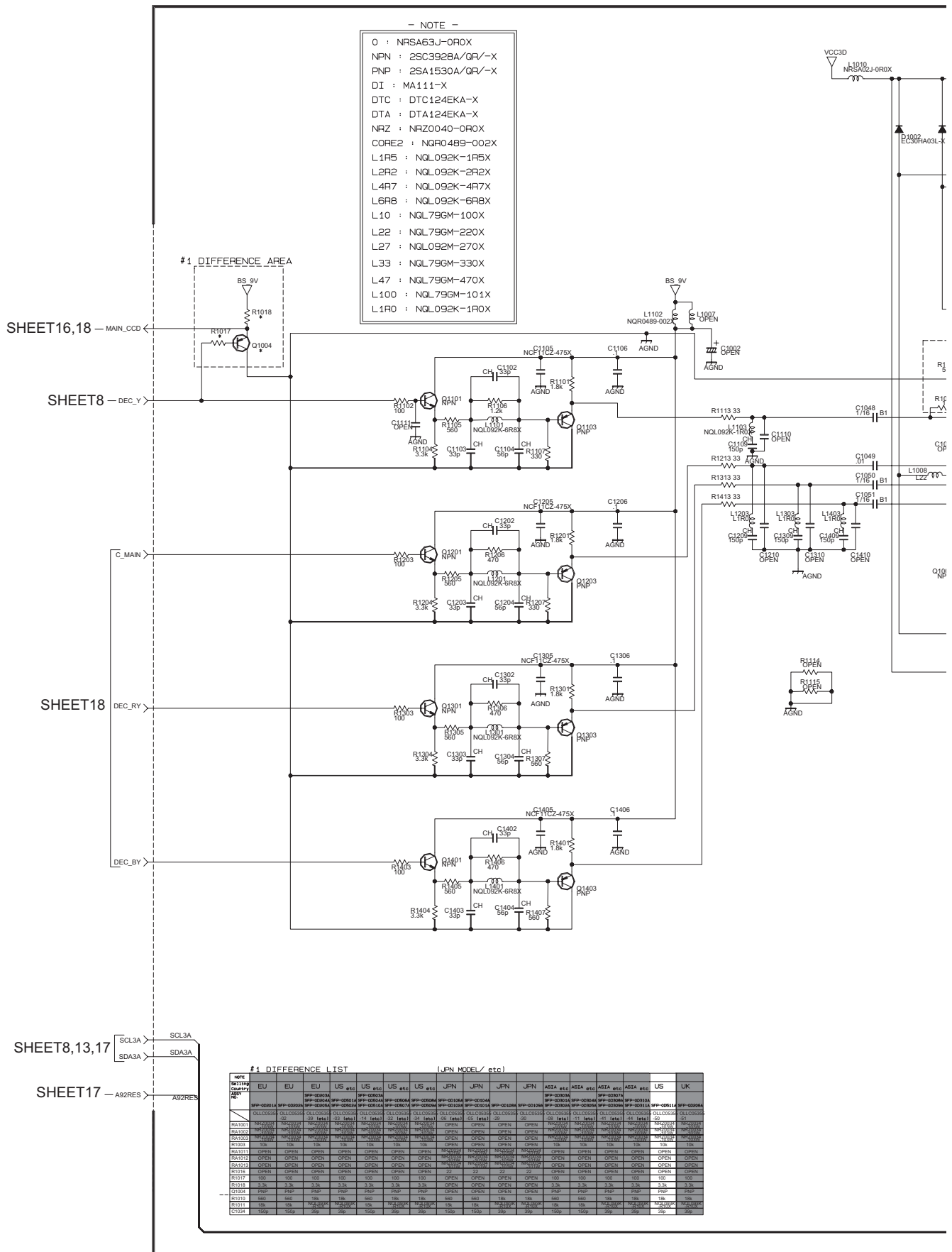
#1 DIFFERENCE LIST (JPN MODEL/ etc)

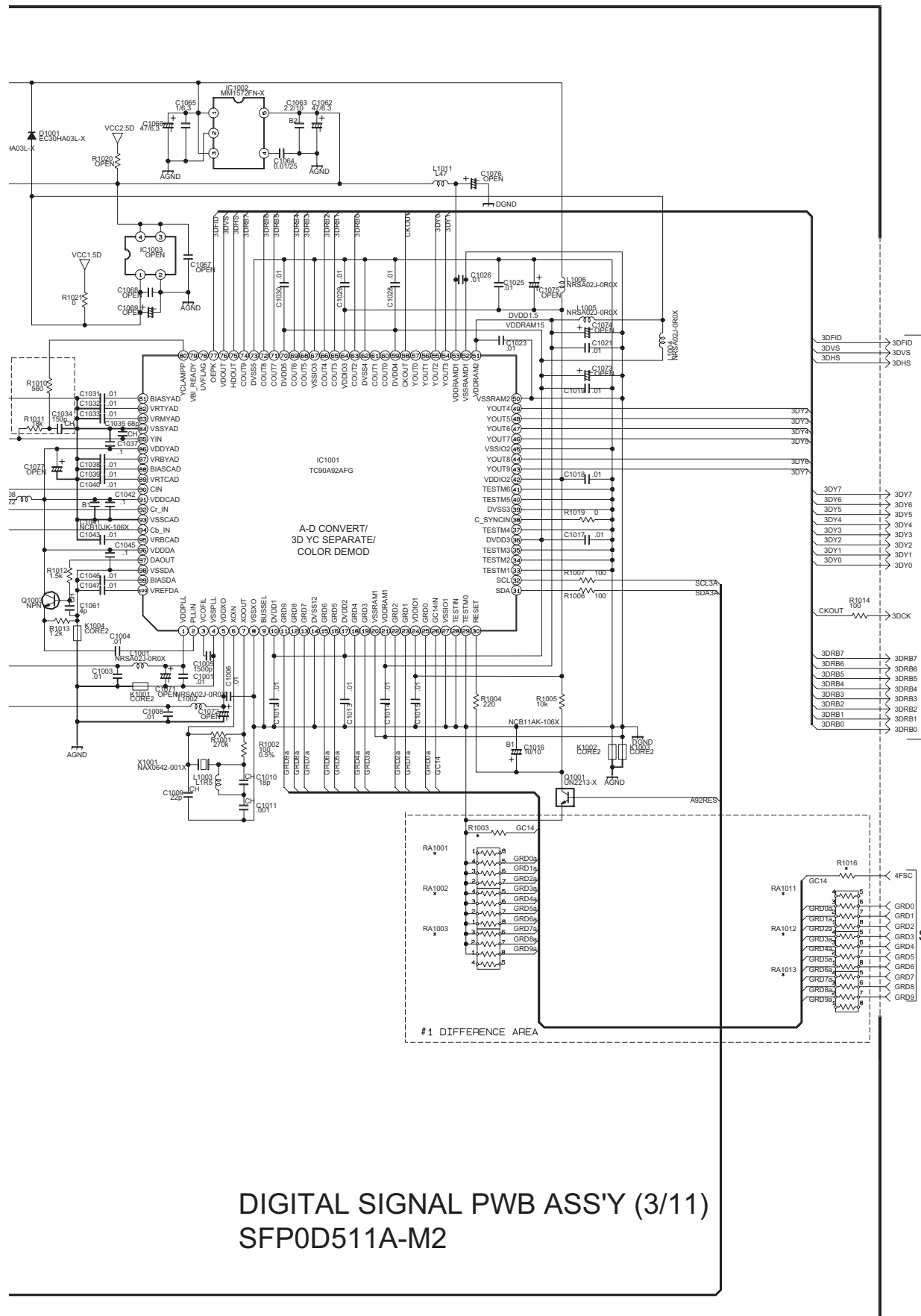
[illegible]

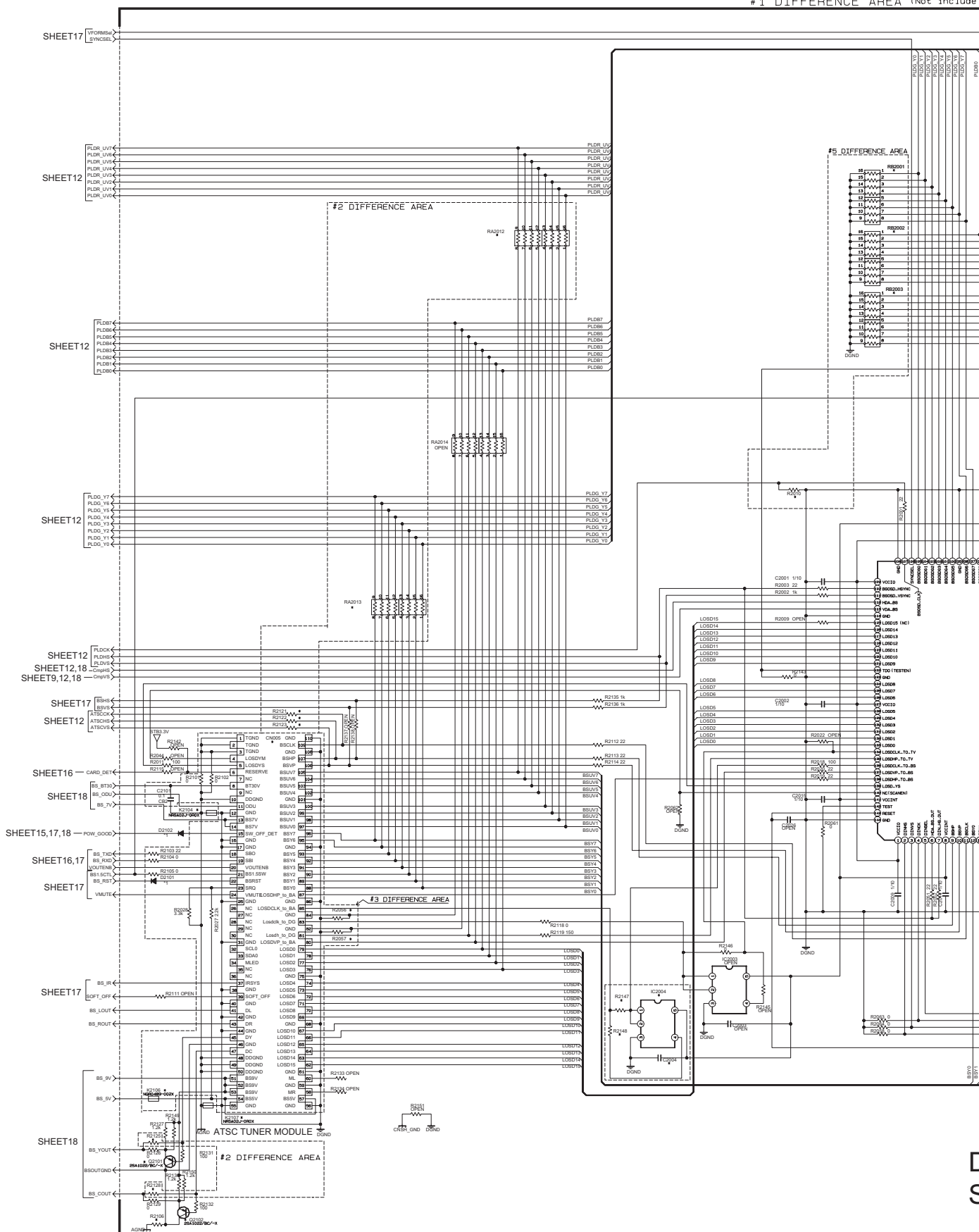
#2 DIFFERENCE LIST (JPN MODEL/ etc)

[illegible]

[illegible]





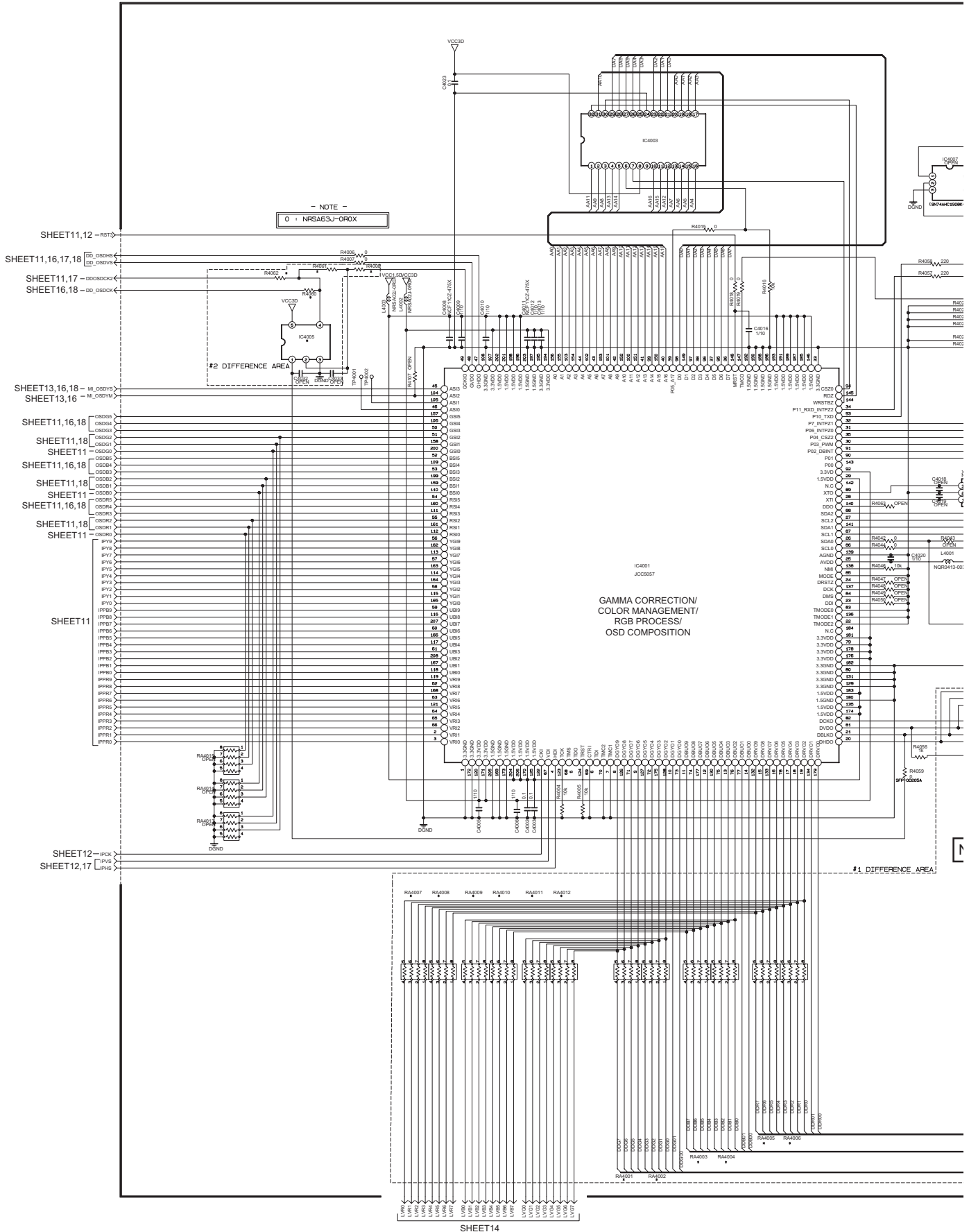


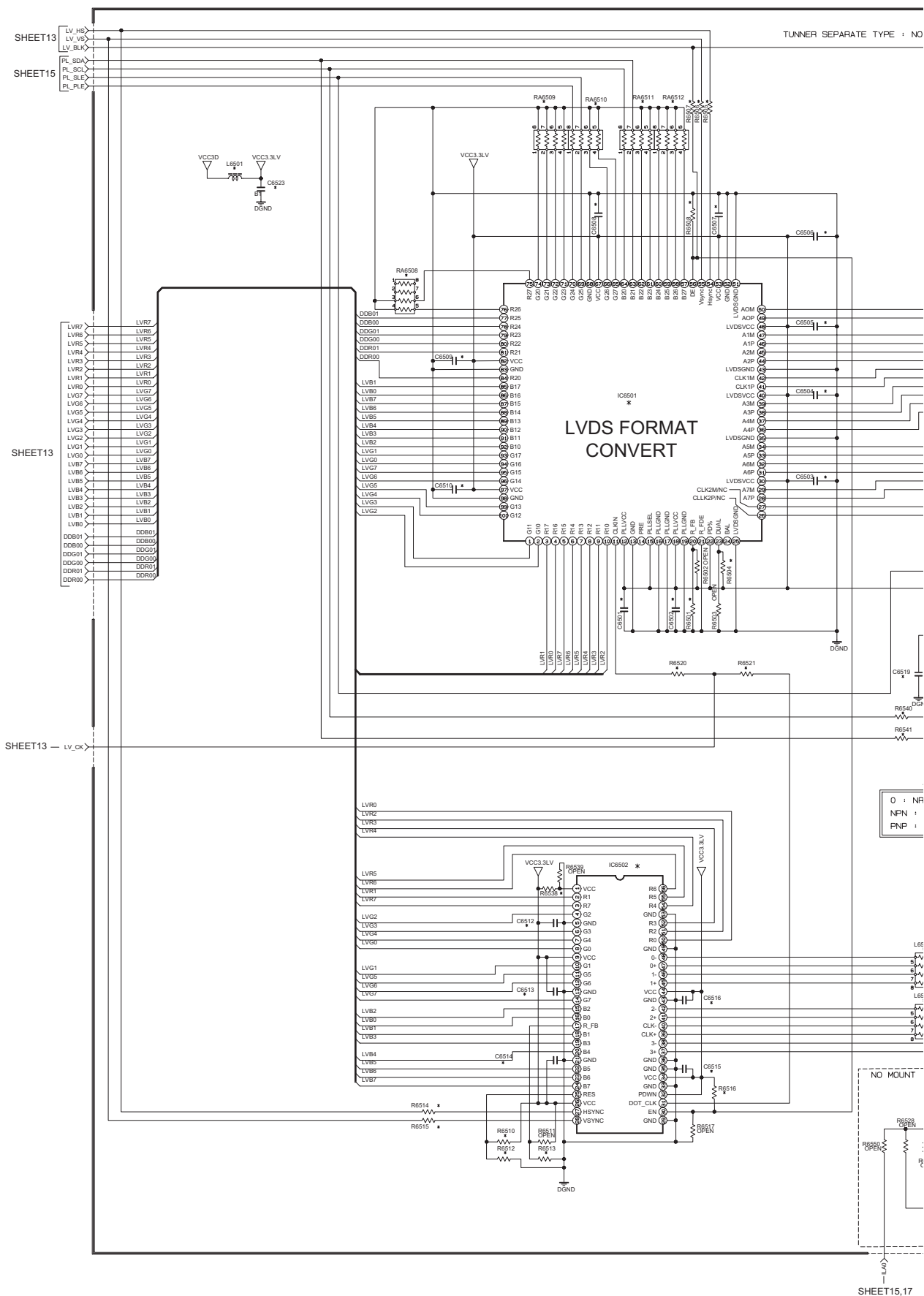


- NOTE -

0	:	NR3A63J-0R0X
NRN	:	2SC3928A/GFV
PNP	:	2SA1530A/GFV
#1	:	DTC114EKA-X
#2	:	NR0Q489-002X
NRZ	:	NRZ0034-0R0V
0-1	:	NCF31CZ-104X
100/4	:	NBE406N-10
#3	:	NR0R413-003X

DIGITAL SIGNAL PWB CIRCUIT DIAGRAM (6/11) SHEET 13

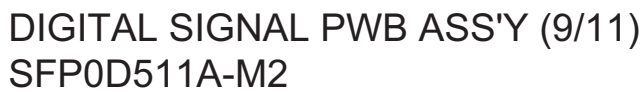


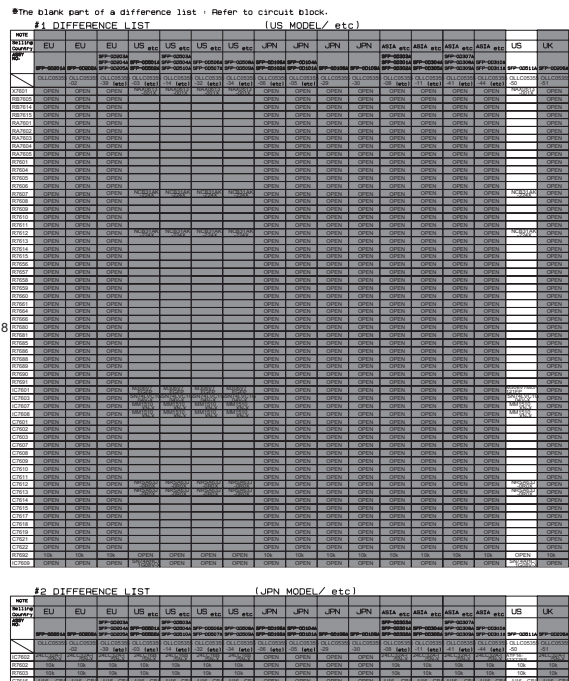


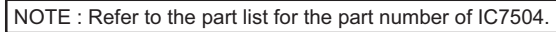
MAIN PWB



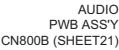
(No.YA291)2-36



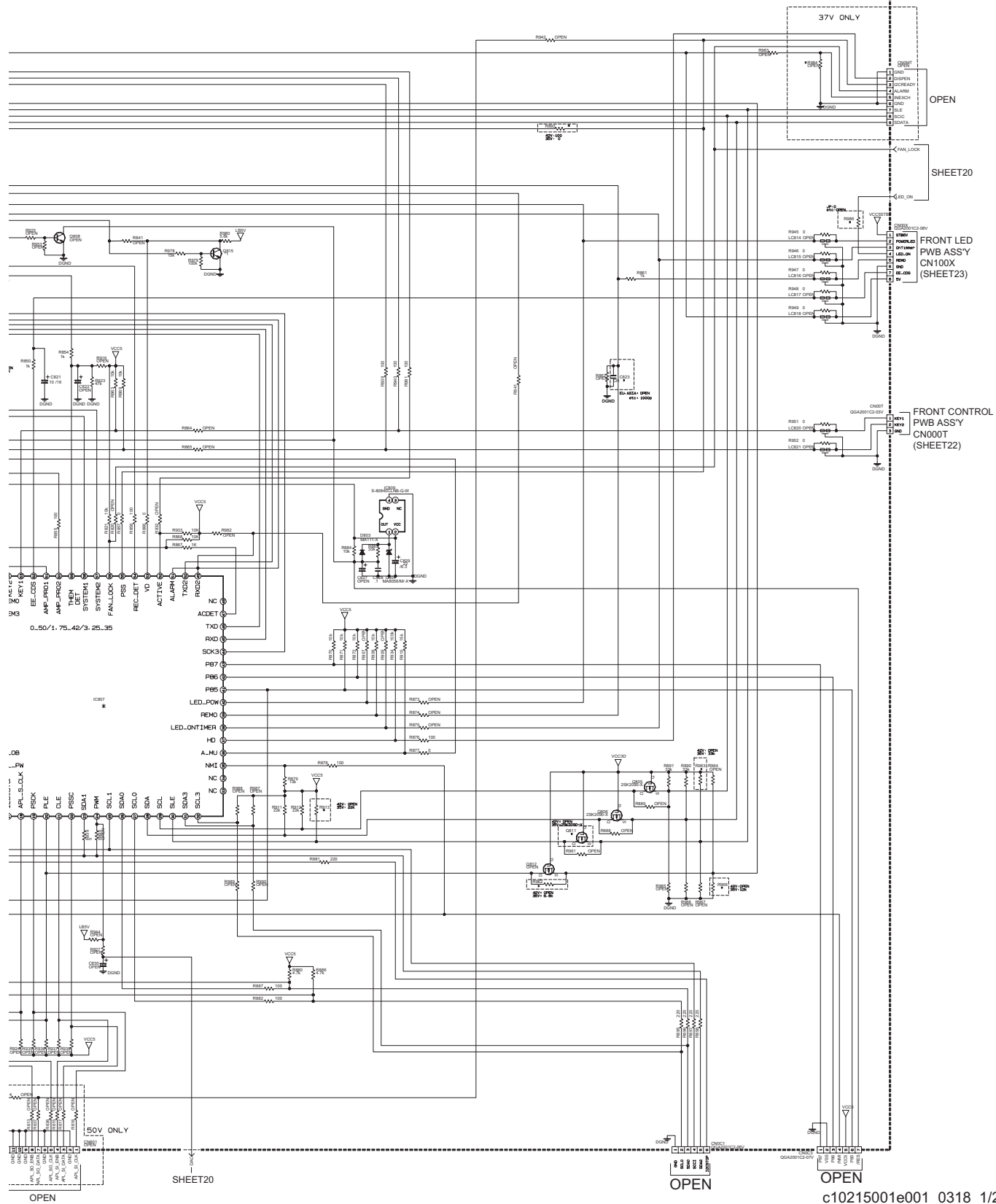




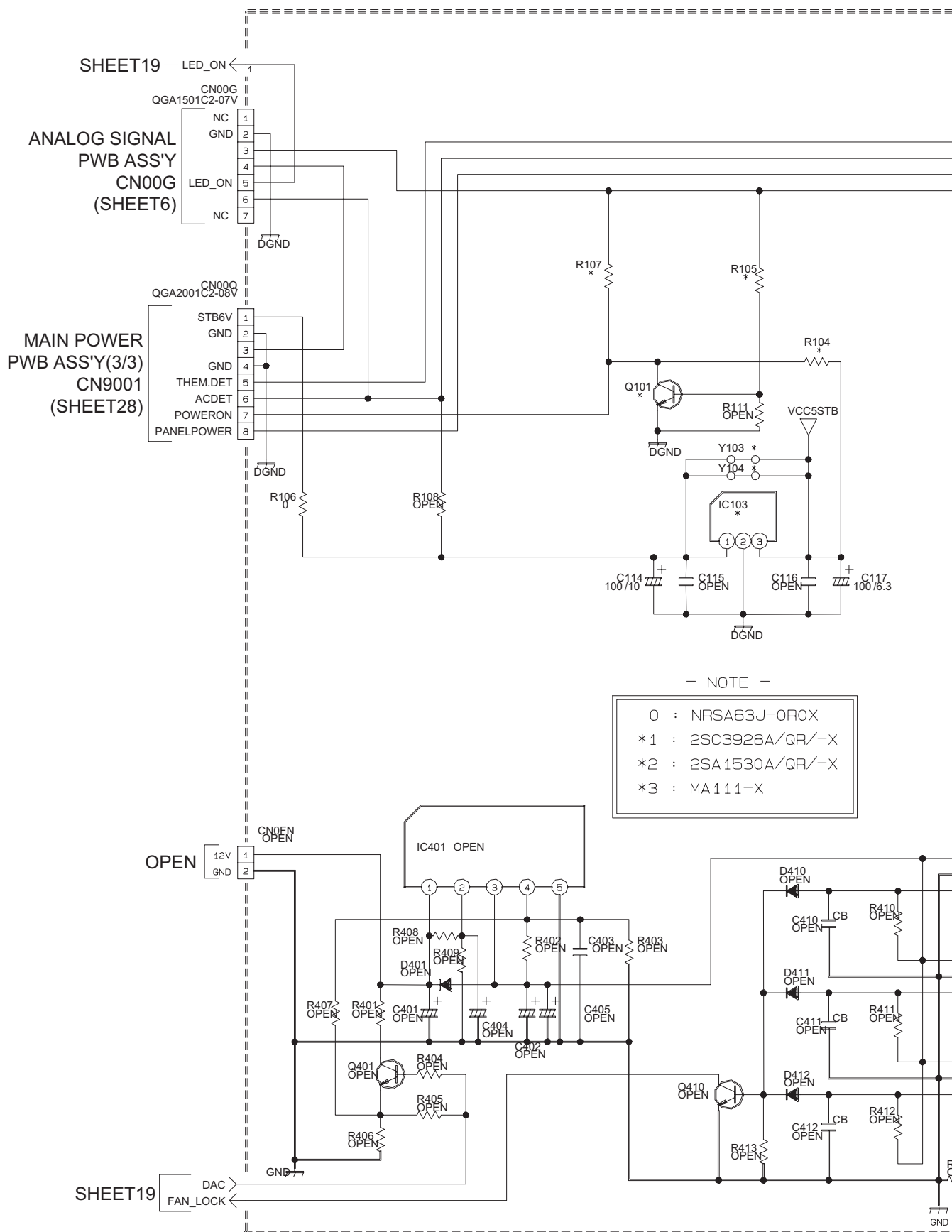
2-45(No.YA291)



INTERFACE PWB ASS'Y (1/2)
SFP-7514A-M2



c10215001e001_0318_1/2_0.0



THEM.DET
AC_DET
PANEL_POWER
POWER_ON

* DIFFERENCE LIST

PANEL	etc	NEC	NEC	etc	NEC	etc	NEC	etc	NEC	etc	NEC	etc	NEC	etc	NEC
NOTE	EU	EU	EU	US	TAIWAN	ASIA (etc)	JP	JP	JP	JP	JP	US	UK		
MODEL	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2	PC-44V722A /7514A-M2
DIFF. NO.	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A	SFP-7514A
	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111	OLLC05111
IC103	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X	BA05FP-X
Q101	"1"	"1"	"1"	"1"	"1"	"1"	"1"	"1"	"1"	"1"	"1"	"1"	"1"	"1"	"1"
R104	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k
R105	10k	10k	10k	10k	10k	10k	10k	10k	10k	10k	10k	10k	10k	10k	10k
R107	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Y103	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Y104	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

CN0FL
OPEN

1
2 GND
3 OPEN

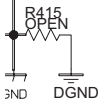
CN0FD
OPEN

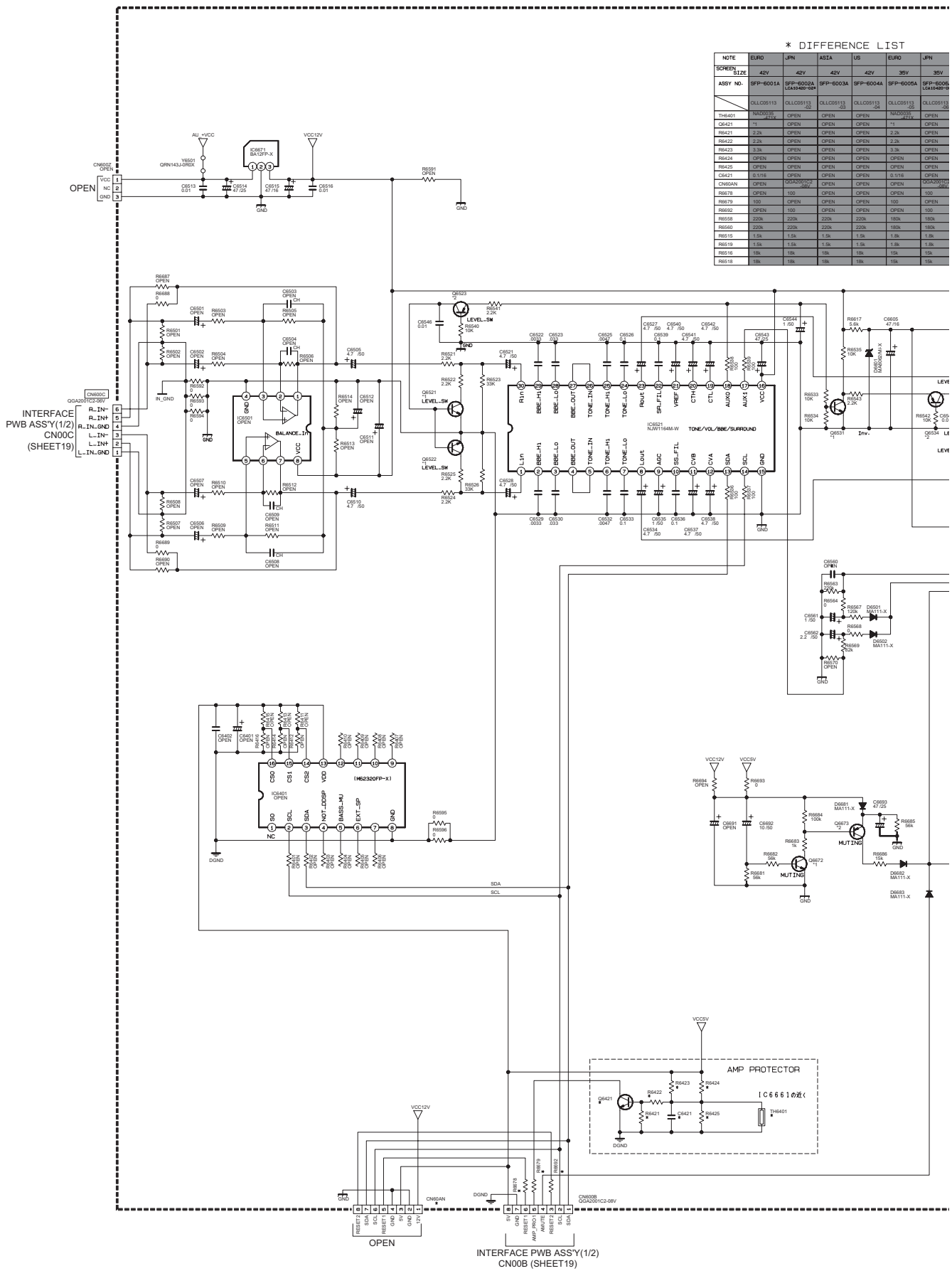
1
2 GND
3 OPEN

CN0FR
OPEN

1
2 GND
3 OPEN

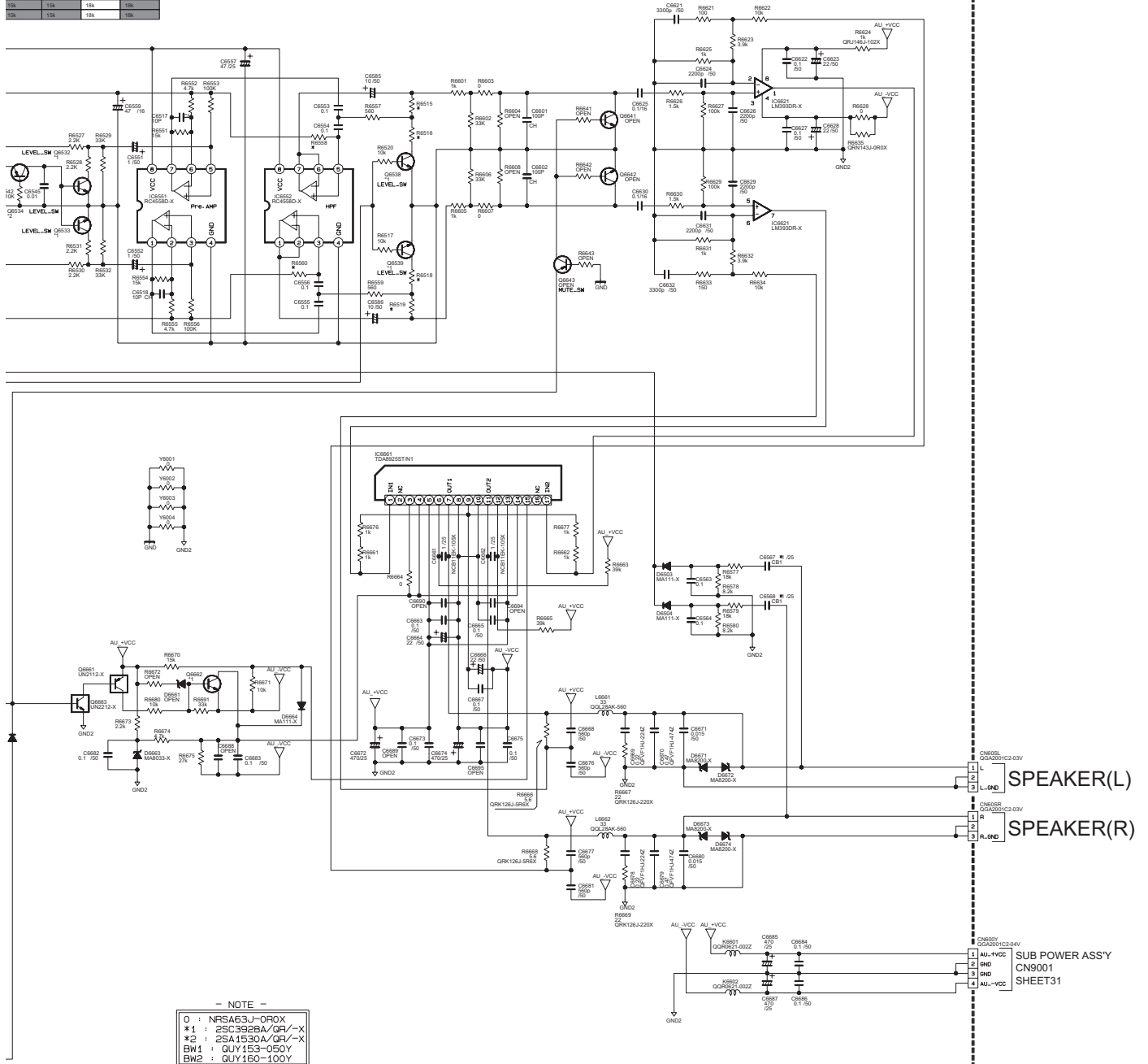
INTERFACE PWB ASS'Y (2/2)
SFP-7514A-M2





JPN	ASIA	US	UK
35V	35V	42V	42V
SFP-6008A (410402-04)	SFP-6007A	SFP-6010A	SFP-6011A
OLL09113 28	OLL09113 27	OLL09113 28	OLL09113 28
OPEN	OPEN	OPEN	NA20028 42V
OPEN	OPEN	OPEN	OPEN
OPEN	OPEN	OPEN	2.2k
OPEN	OPEN	OPEN	2.2k
OPEN	OPEN	OPEN	2.2k
OPEN	OPEN	OPEN	OPEN
OPEN	OPEN	OPEN	0.1/10
NA200107	OPEN	OPEN	OPEN
100	OPEN	OPEN	OPEN
OPEN	OPEN	OPEN	100
100	OPEN	OPEN	OPEN
100k	100k	220k	220k
100k	100k	220k	220k
1.5k	1.5k	1.5k	1.5k
1.5k	1.5k	1.5k	1.5k
15k	15k	15k	15k
15k	15k	15k	15k

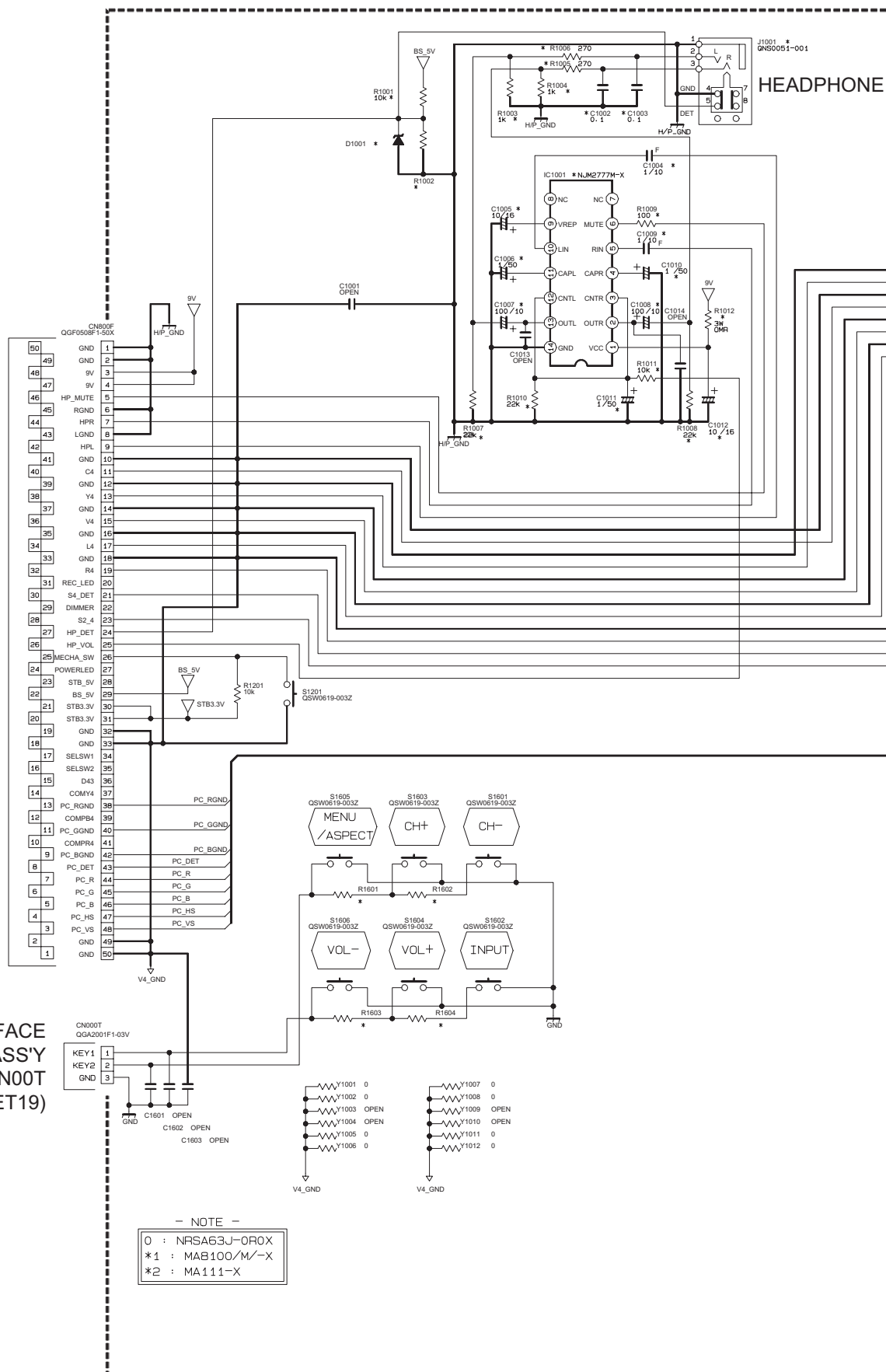
AUDIO PWB ASS'Y SFP-6010A-M2



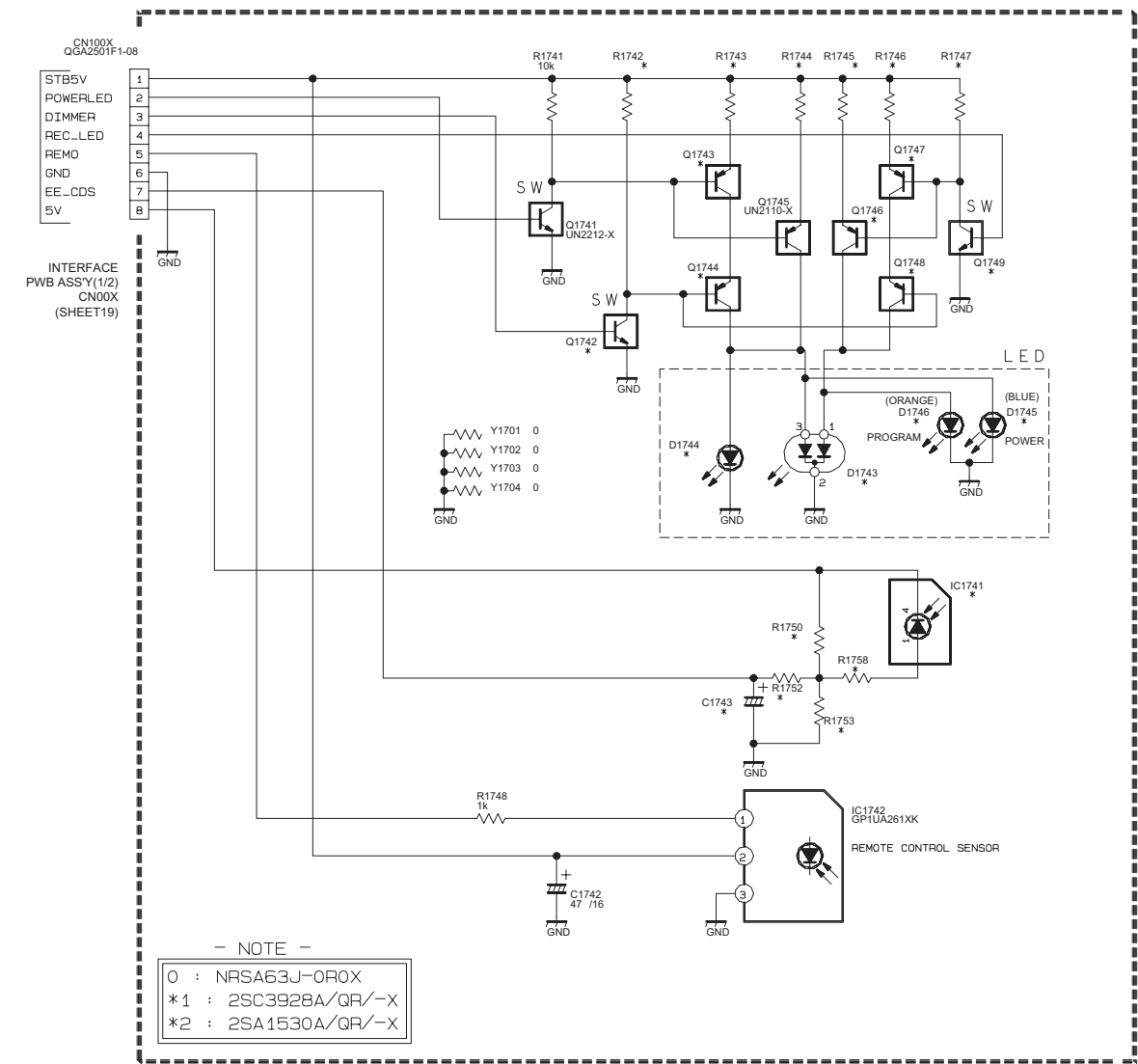
FRONT CONTROL PWB CIRCUIT DIAGRAM SHEET 22

ANALOG SIGNAL
PWB ASS'Y
CN00F
(SHEET2)

INTERFACE
PWB ASS'Y
CN00T
(SHEET19)

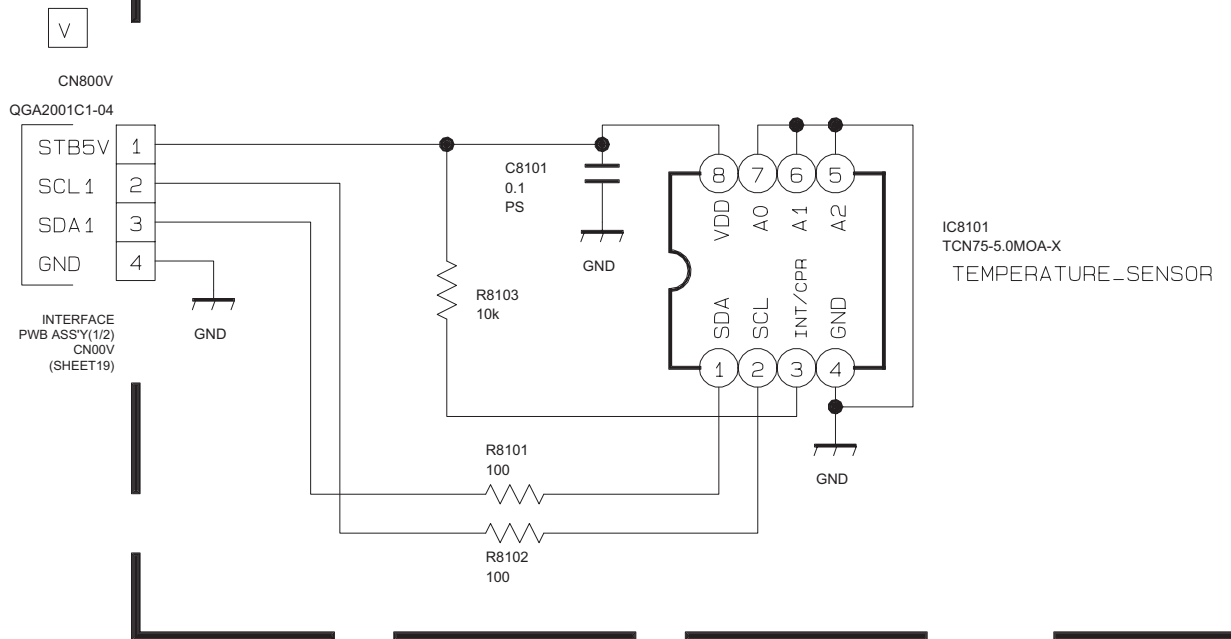


FRONT LED PWB CIRCUIT DIAGRAM SHEET 23

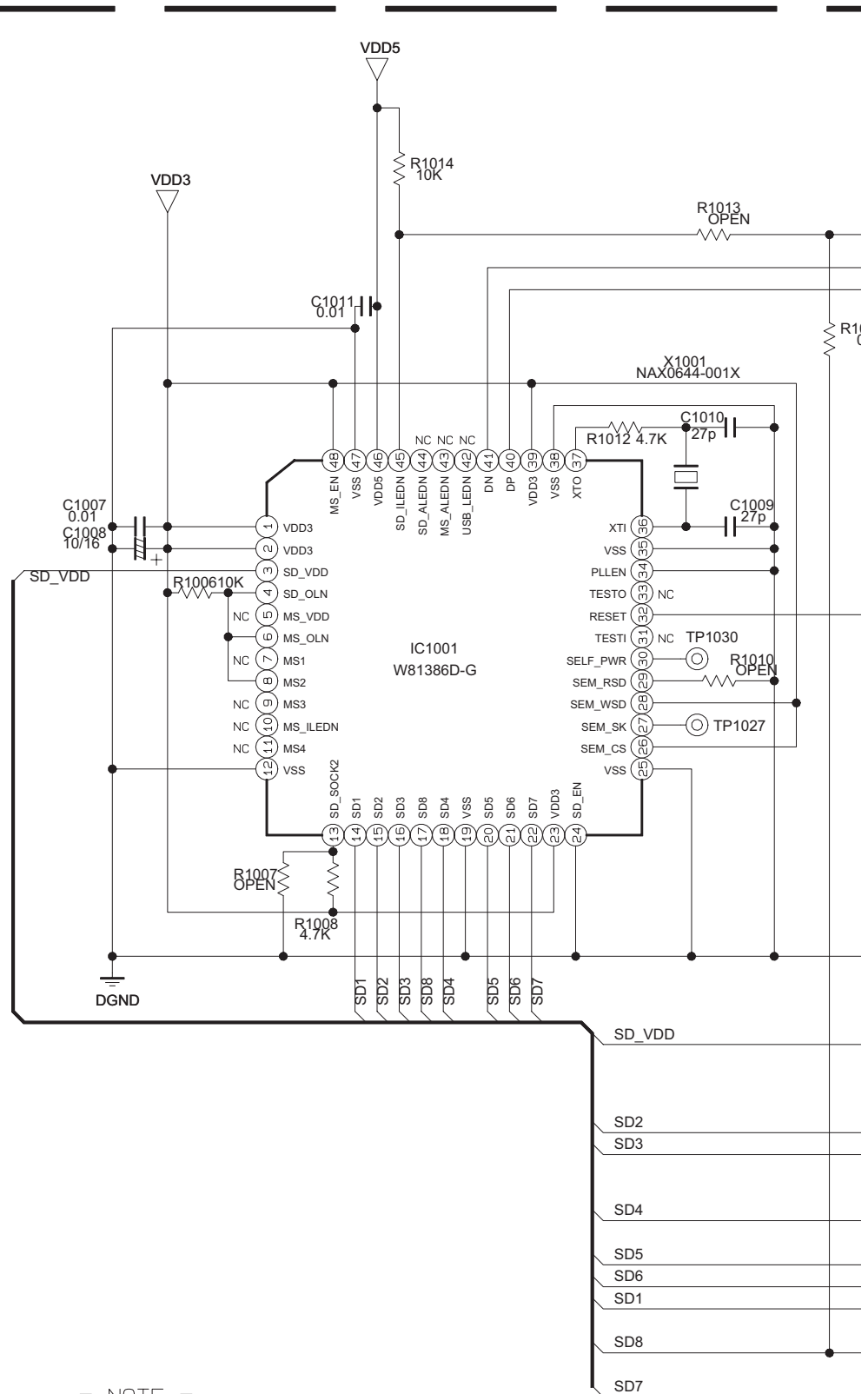


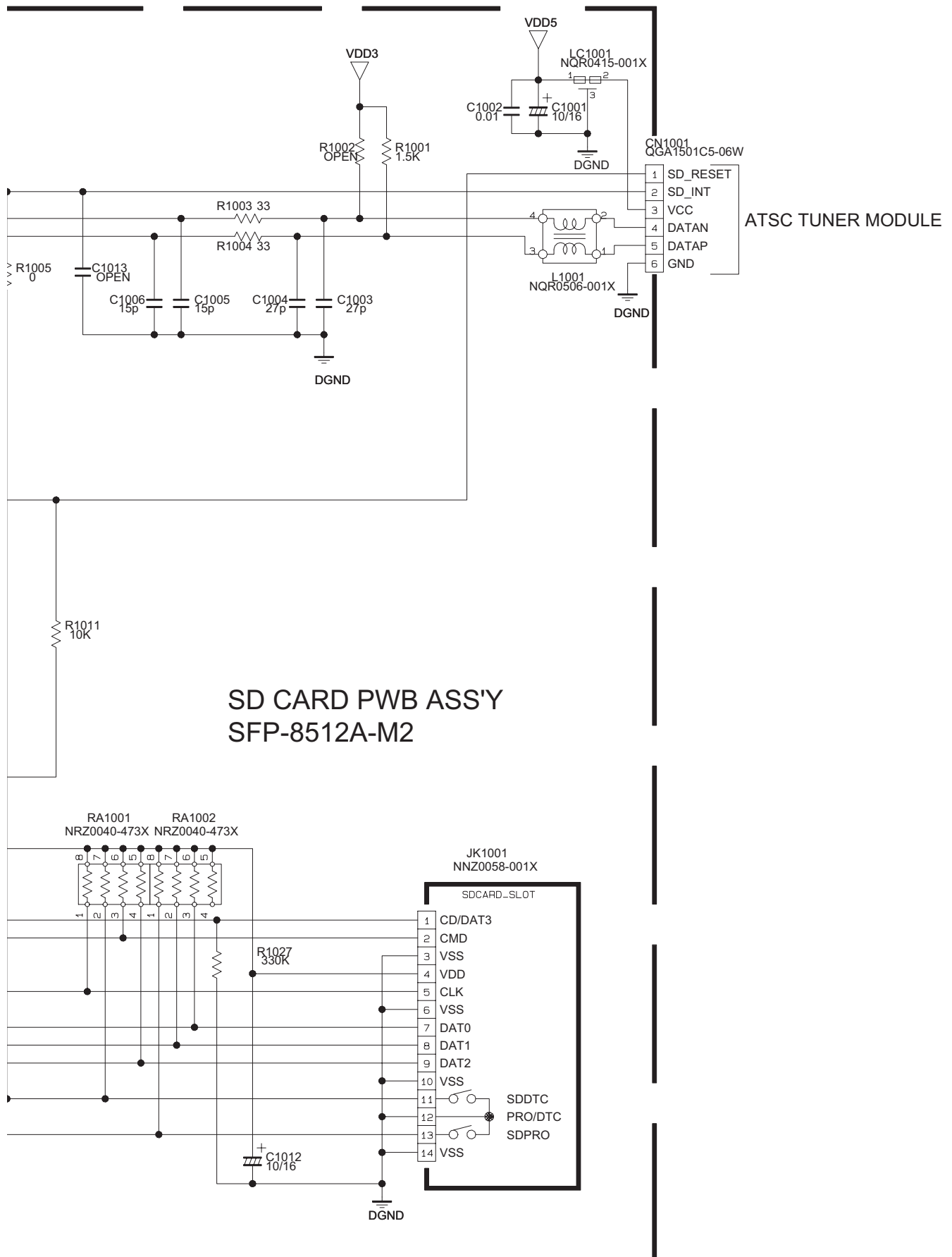
FRONT LED PWB ASS'Y
SFP-8511A-M2

* DIFFERENCE LIST									
NOTE	BU-A51A	JPN	US	ASIA	US 2	US 3	US 3	US 3	US 3
ASSY NO.	SFP-8511A	SFP-8511A	SFP-8511A	SFP-8511A	SFP-8511A	SFP-8511A	SFP-8511A	SFP-8511A	SFP-8511A
ALL CDS	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q1741	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q1742	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q1743	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q1744	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q1745	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q1746	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q1747	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q1748	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Q1749	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1741	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1742	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1743	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1744	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1745	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1746	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1747	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1748	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1750	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1752	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1753	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
R1758	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C1742	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
C1743	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC1741	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
IC1742	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
LED	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
SW	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Y1701	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Y1702	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Y1703	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Y1704	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN



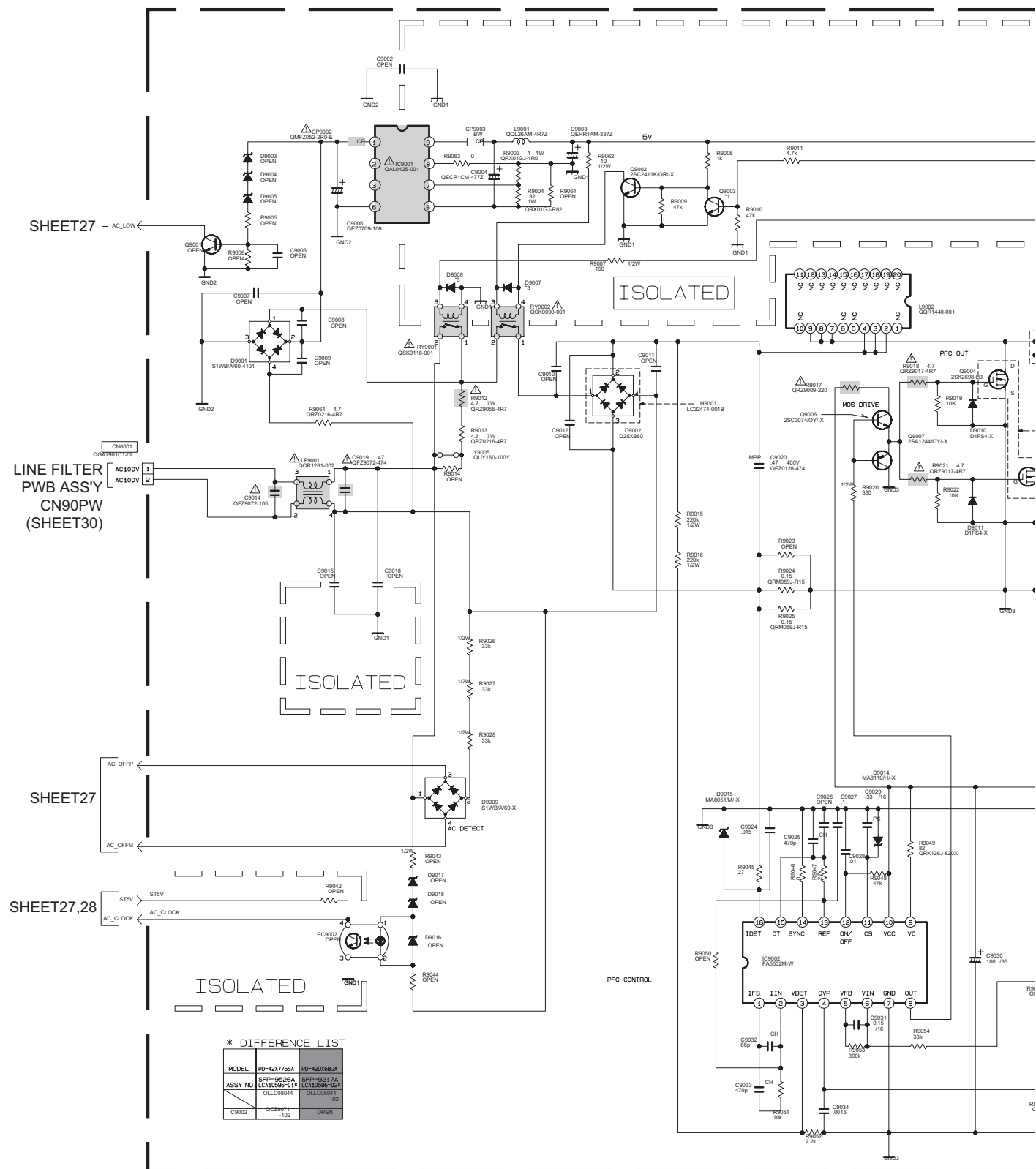
TEMP.SENSOR PWB ASS'Y
SFP-8511A-M2

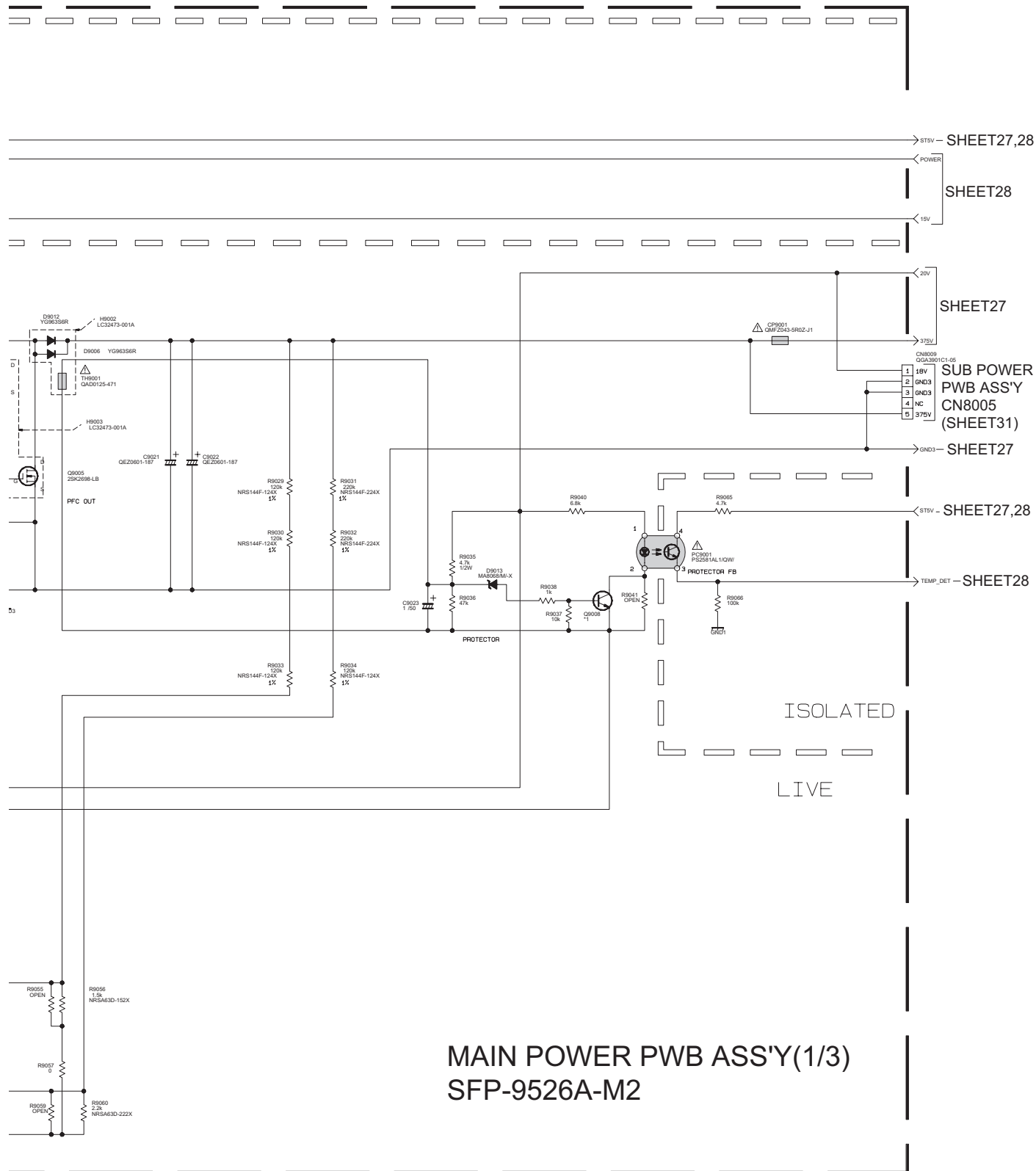




c10345001a001_0318_1/1_0.0

MAIN POWER PWB CIRCUIT DIAGRAM (1/3) SHEET 26





MAIN POWER PWB CIRCUIT DIAGRAM (2/3) SHEET 27

SHEET26

SHEET26 - 20V

SHEET26 - AC_LOW

MAIN POWER PWB ASS'Y(2/3) SFP-9526A-M2

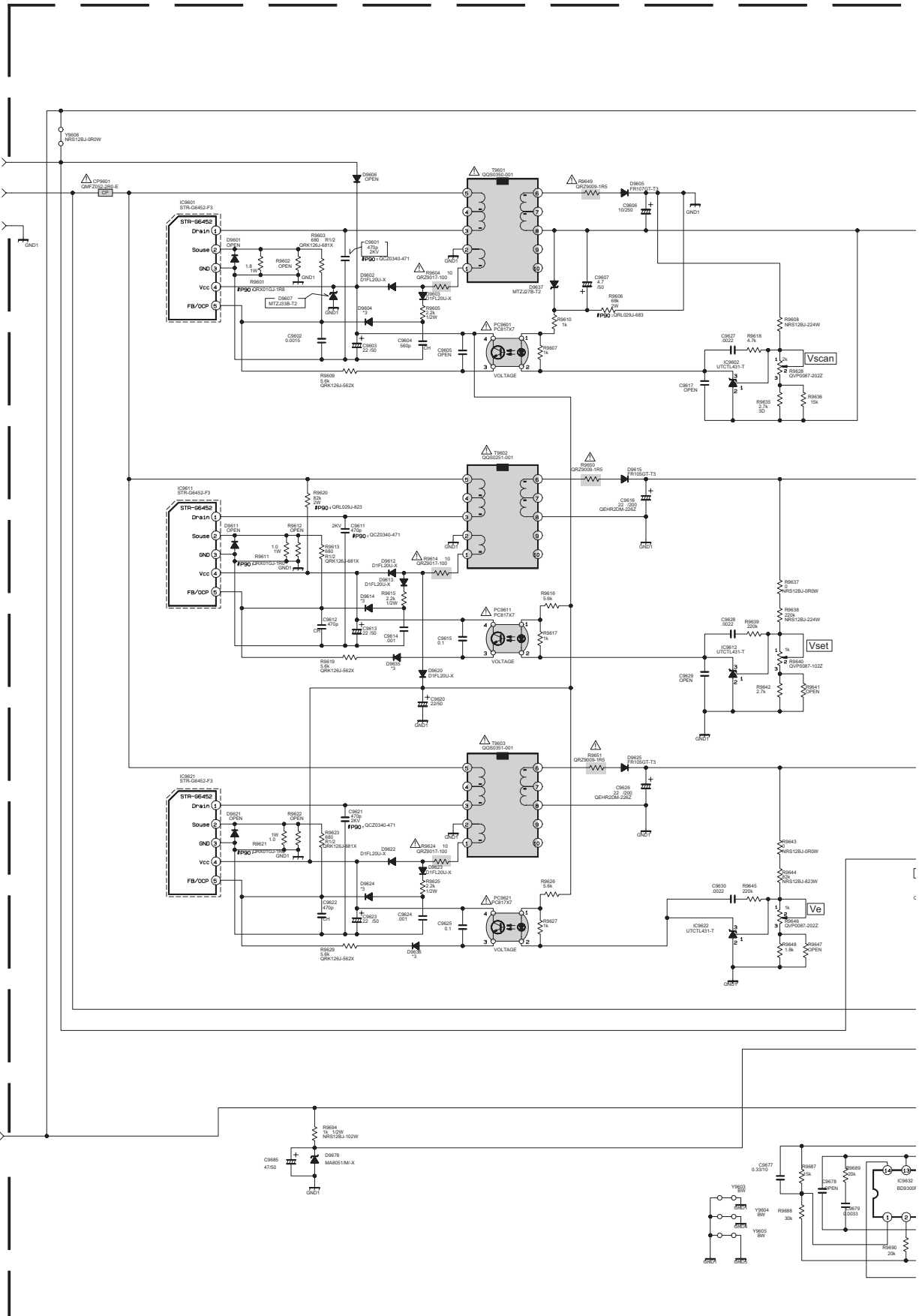
LIVE

ISOLATED

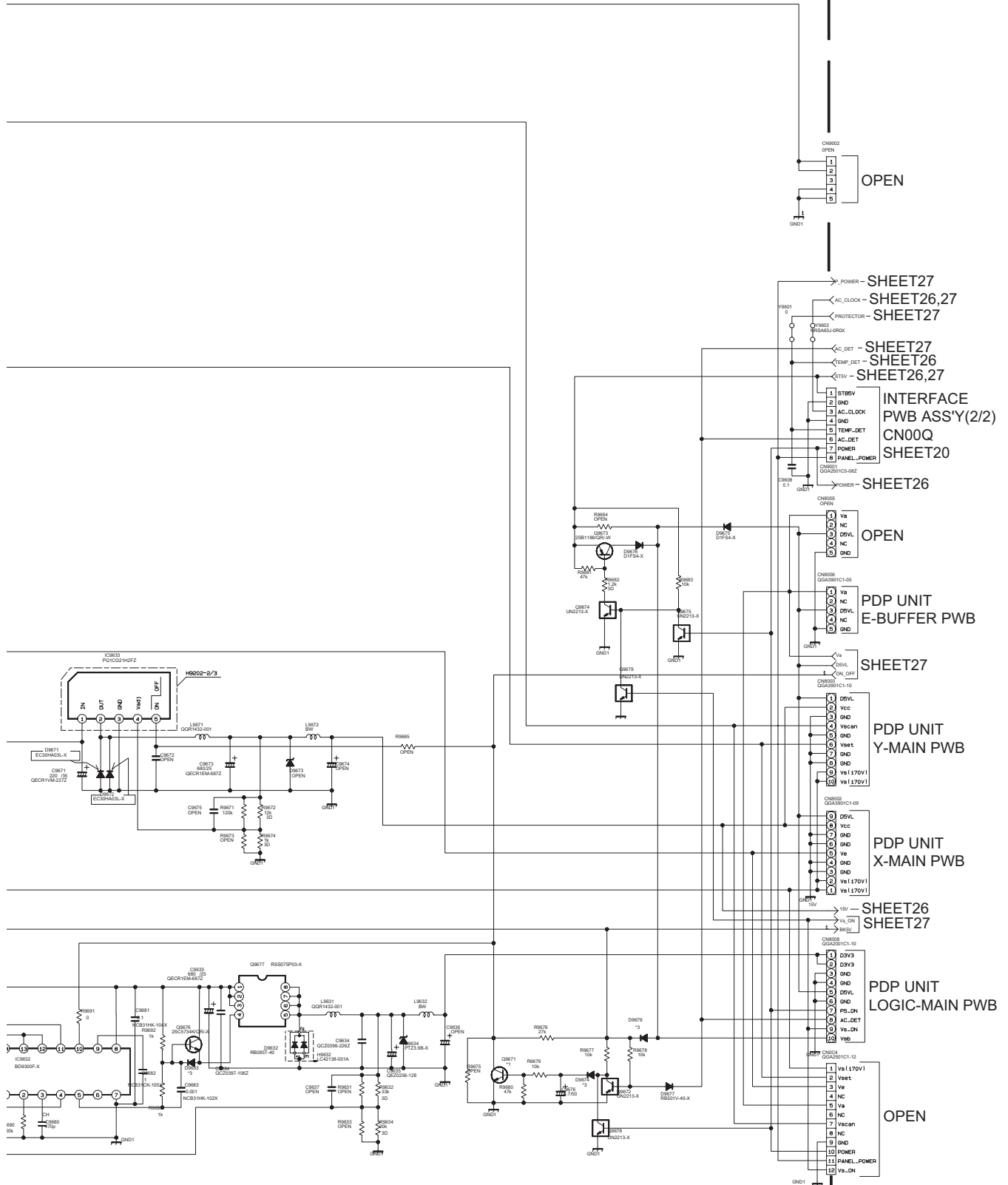
MAIN POWER PWB CIRCUIT DIAGRAM (3/3) SHEET 28

SHEET27

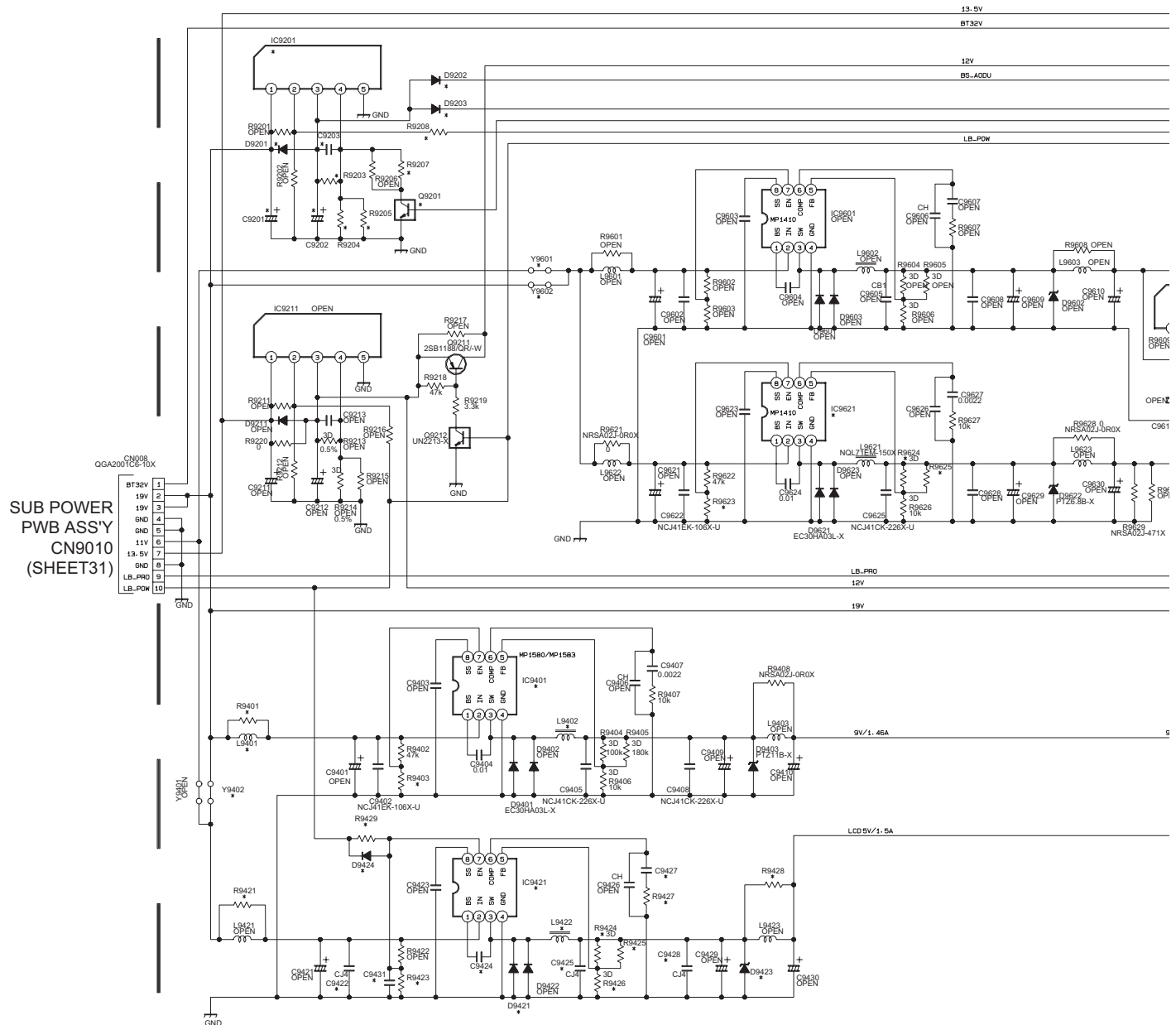
SHEET27 - 17V



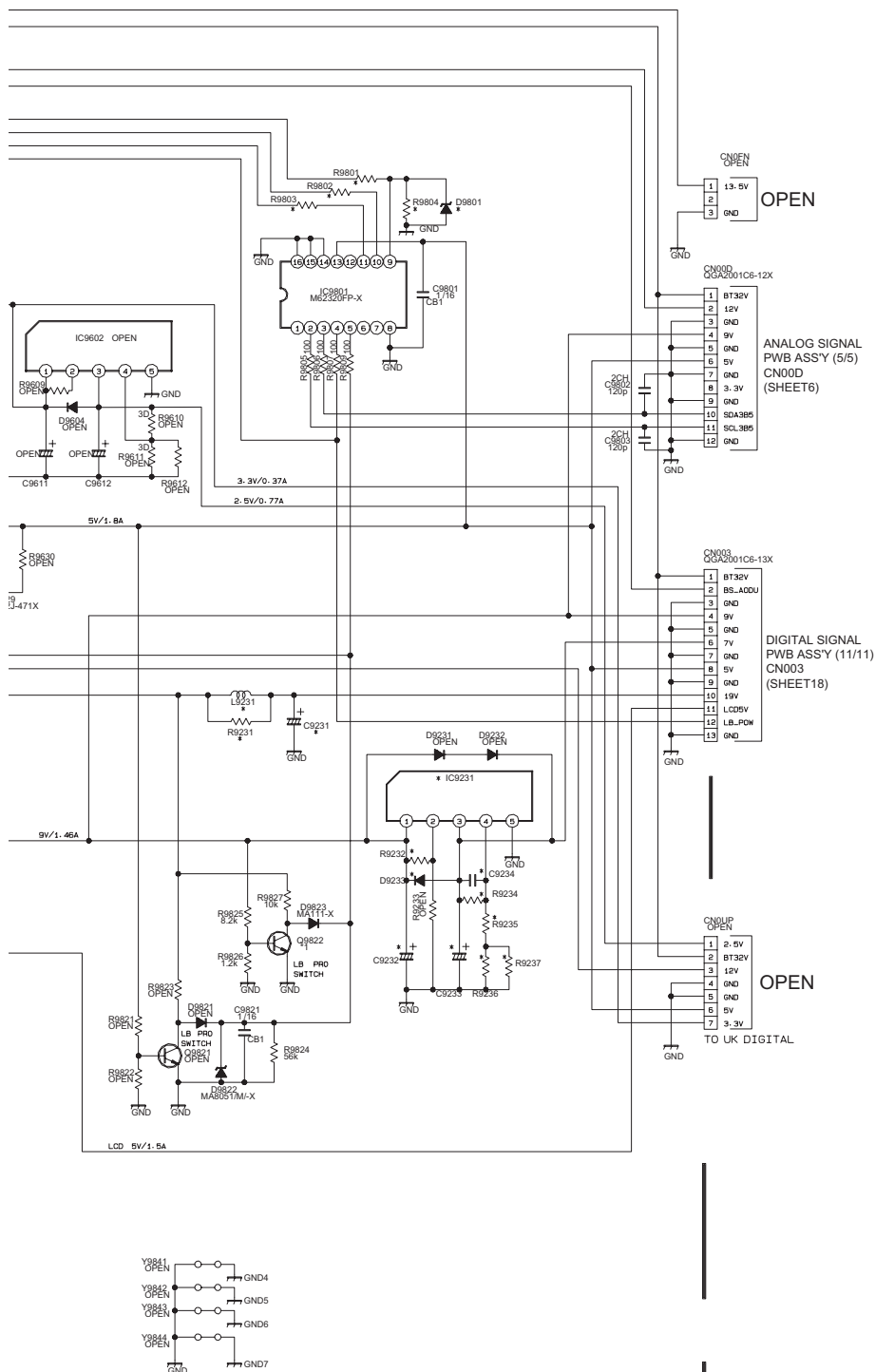
MAIN POWER PWB ASS'Y(3/3) SFP-9526A-M2



c10344001a003_0318_3/3_0.0

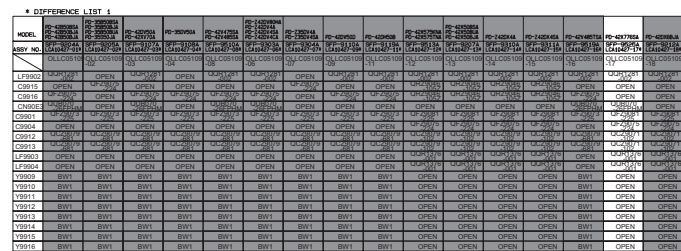


REGULATOR POWER PWB ASS'Y
SFP-9524A-M2

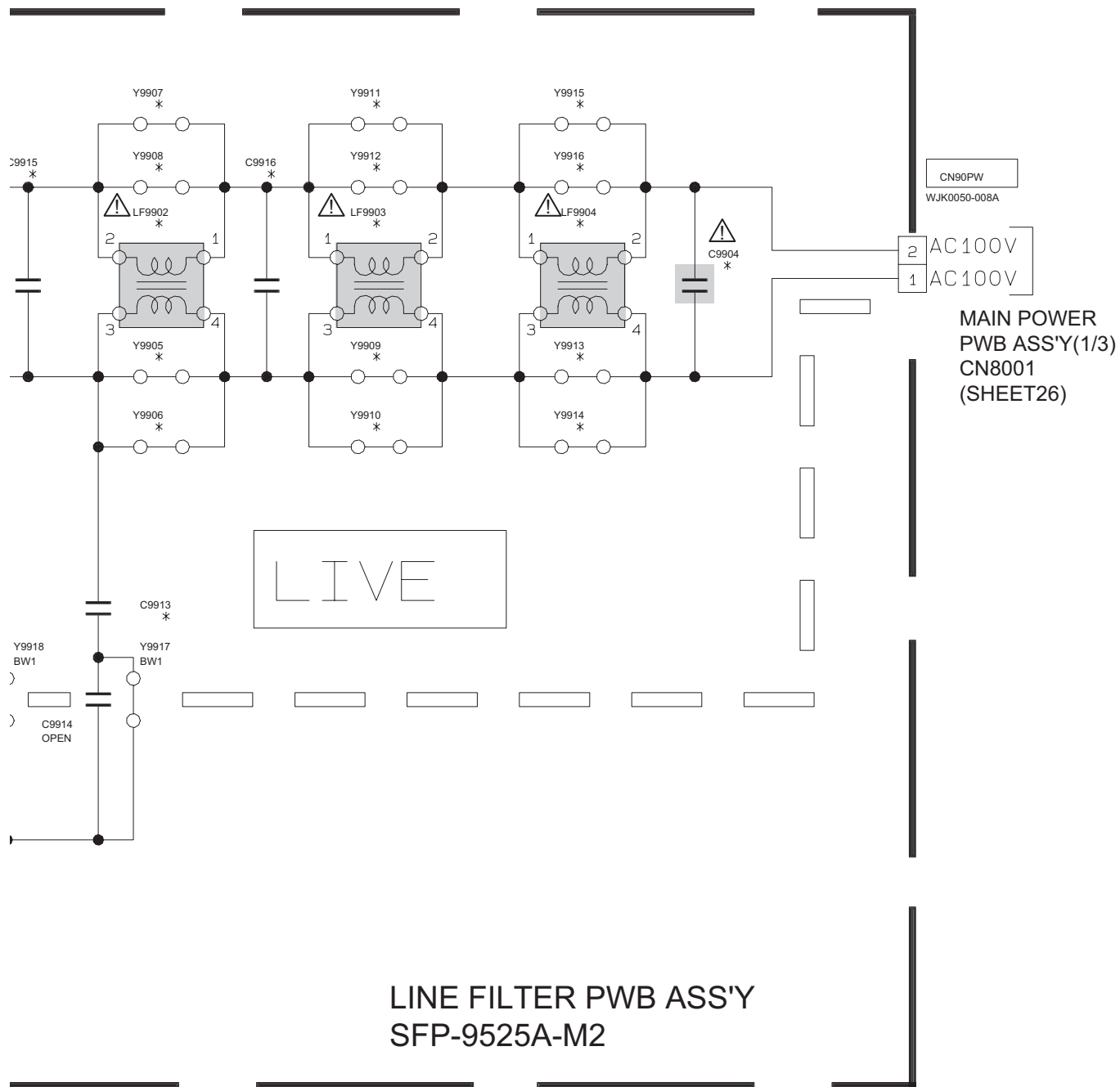


		* DIFFERENCE LIST											
ASSY NO	DIFF-0117A	DIFF-0117B	DIFF-0117C	DIFF-0117D	DIFF-0117E	DIFF-0117F	DIFF-0117G	DIFF-0117H	DIFF-0117I	DIFF-0117J	DIFF-0117K	DIFF-0117L	DIFF-0117M
5V	IC9602	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
3.3V	R9801	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k	3.3k
2.5V	R9802	47k	30k	30k	30k	30k	30k	30k	30k	30k	30k	30k	30k
12V	R9803	820k	820k	820k	820k	820k	820k	820k	820k	820k	820k	820k	820k
BS	R9804	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
15V	R9805	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
9V	R9806	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
19V	R9807	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
7V	R9808	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
LCD	R9809	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
5V	R9810	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
ON/OFF	R9811	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
PROTECT	R9812	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
Vin	R9813	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
DIFF-0117N	R9814	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

c10218001d001_0318_1/1_0.0

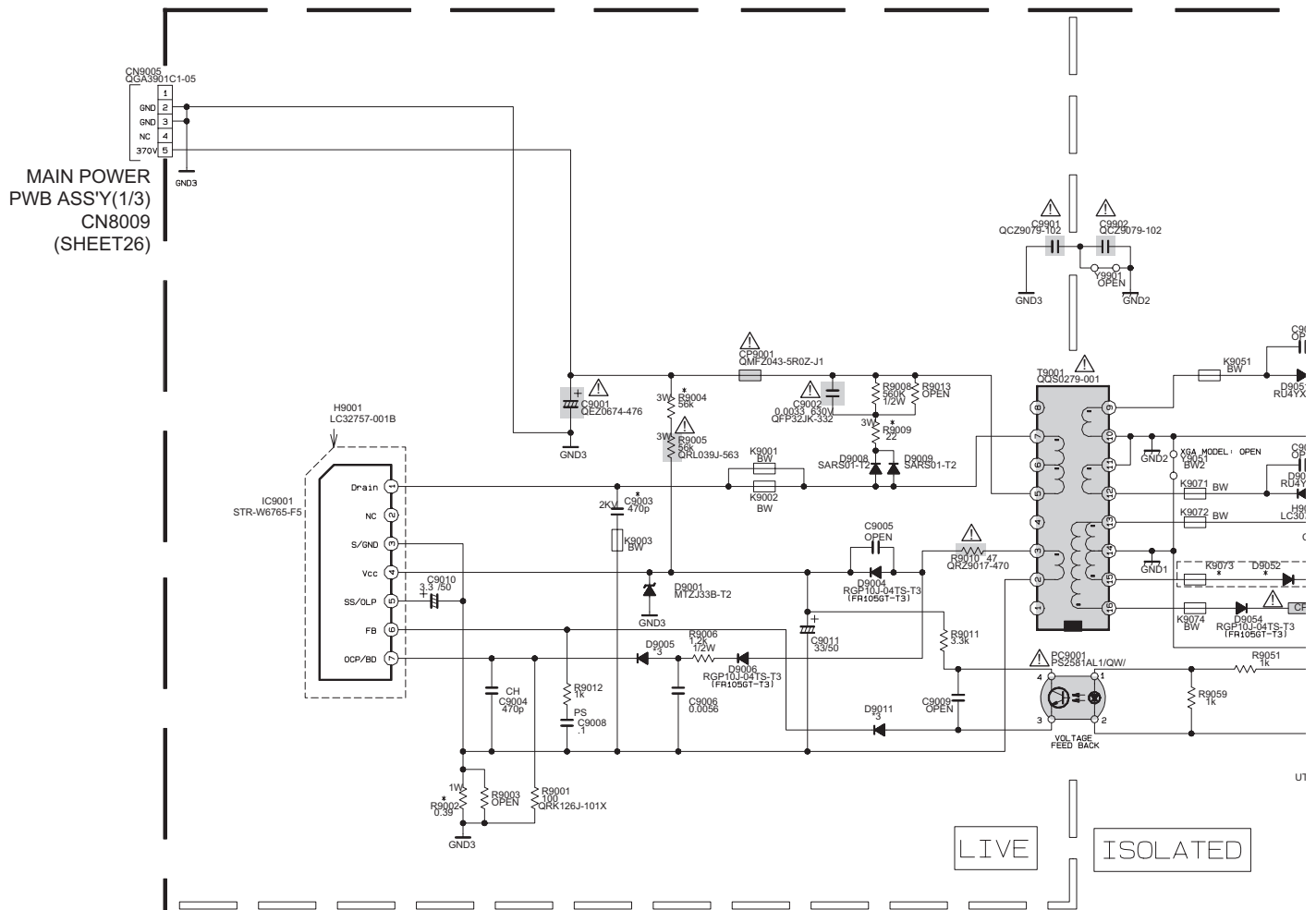


* DIFFERENCE LIST 2										
MODEL	PD-42B508SA PD-42B508JA PD-42B508JA PD-42B508JA	PD-35B508SA PD-35B508JA PD-35B508JA PD-35B508JA	PD-42DV50A PD-42XV70A	PD-35DV50A	PD-42V475SA PD-42V485SA	PD-742DV80HA PD-742DV4A PD-742DV4SA PD-742DV4CA	PD-235DV4A PD-235DV4SA	PD-42DV50D		
ASSY NO.	SFP-9204A LC/L0427-01	SFP-9205A LC/L0427-02	SFP-9107A LC/L0427-03	SFP-9108A LC/L0427-04	SFP-9110A LC/L0427-05	SFP-9303A LC/L0427-06	SFP-9304A LC/L0427-07	SFP-9110A LC/L0427-08		
	QNC05109-02	QNC05109-02	QNC05109-03	QNC05109-04	QNC05109-08	QNC05109-08	QNC05109-07	QNC05109-09	QNC05109-09	
J9901	QNC0099-001	QNC0099-001	QMCB008-001	QMCB008-001	QNC0103-003	QNC0103-001	QNC0103-001	QMCB008-001		
Y9905	OPEN	BW1	OPEN	BW1	OPEN	OPEN	BW1	OPEN		
Y9906	OPEN	BW1	OPEN	BW1	OPEN	OPEN	BW1	OPEN		
Y9907	OPEN	BW1	OPEN	BW1	OPEN	OPEN	BW1	OPEN		
Y9908	OPEN	BW1	OPEN	BW1	OPEN	OPEN	BW1	OPEN		
Y9922	OPEN	OPEN	BW1	BW1	OPEN	OPEN	OPEN	BW1		



V500	PD-420H50B	PD-42X575KNA PD-42X575TNA	PD-42X50BSA PD-42X50BUA	PD-420X4A	PD-420X4SA	PD-42V4B5TSA	PD-42X776SA	PD-420X6BUA
1110A	SFP-9519A 27-09* LCA10427-11*	SFP-9513A LCA10427-12*	SFP-9507A LCA10427-13*	SFP-9510A LCA10427-14*	SFP-9511A LCA10427-15*	SFP-9519A LCA10427-16*	SFP-9525A LCA10427-17*	SFP-9512A LCA10427-18*
05109	QLLC05109 -11	QLLC05109 -12	QLLC05109 -13	QLLC05109 -14	QLLC05109 -15	QLLC05109 -16	QLLC05109 -17	QLLC05109 -18
3006	QMCB006 -001	QNC0099 -001	QNC0099 -001	QNC0103 -001	QNC0099 -001	QNC0103 -001	QNC0103 -001	QNC0099 -001
PEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
PEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
PEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
PEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN
W1	BW1	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN	OPEN

c10219001d001_0318_1/1_0.0

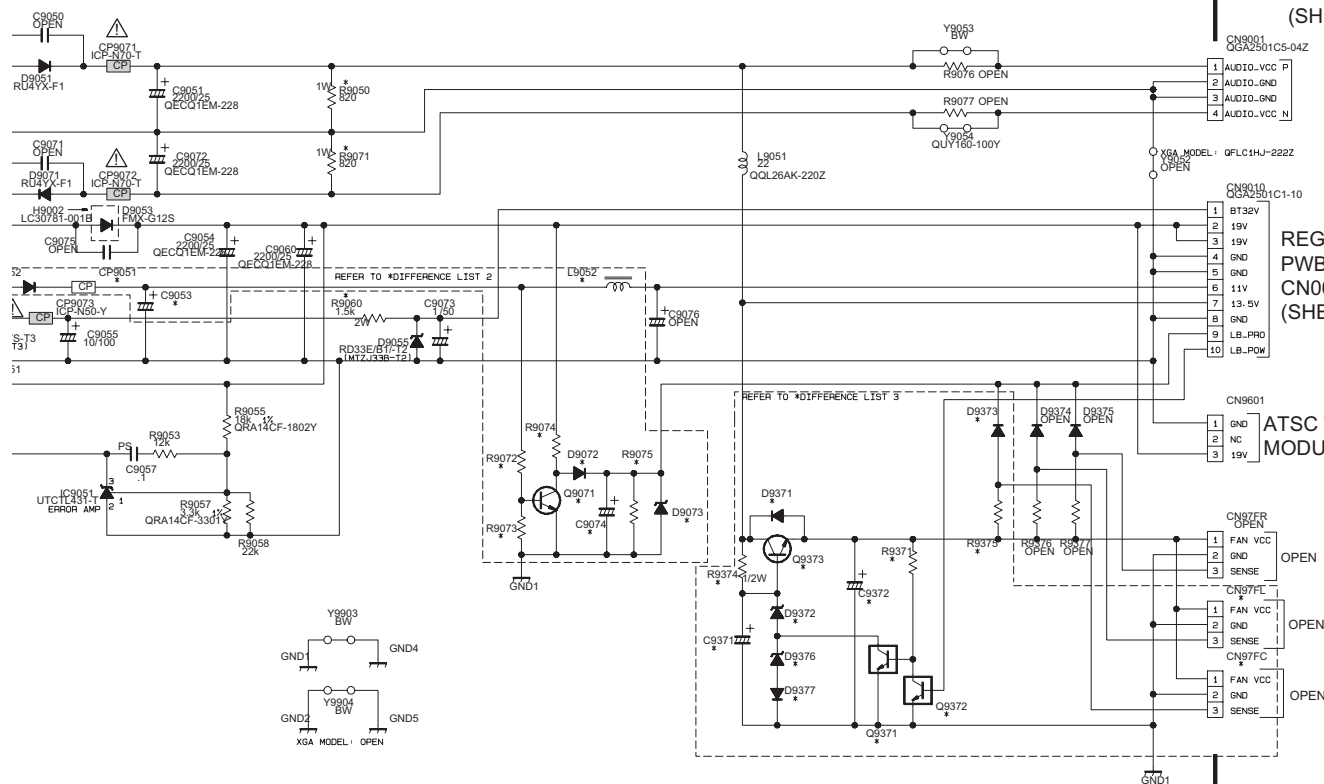


SUB POWER PWB ASS'Y
SFP-9523A-M2

AUDIO
PWB ASS'Y
CN600Y
(SHEET21)

REGULATOR
PWB ASS'Y
CN008
(SHEET29)

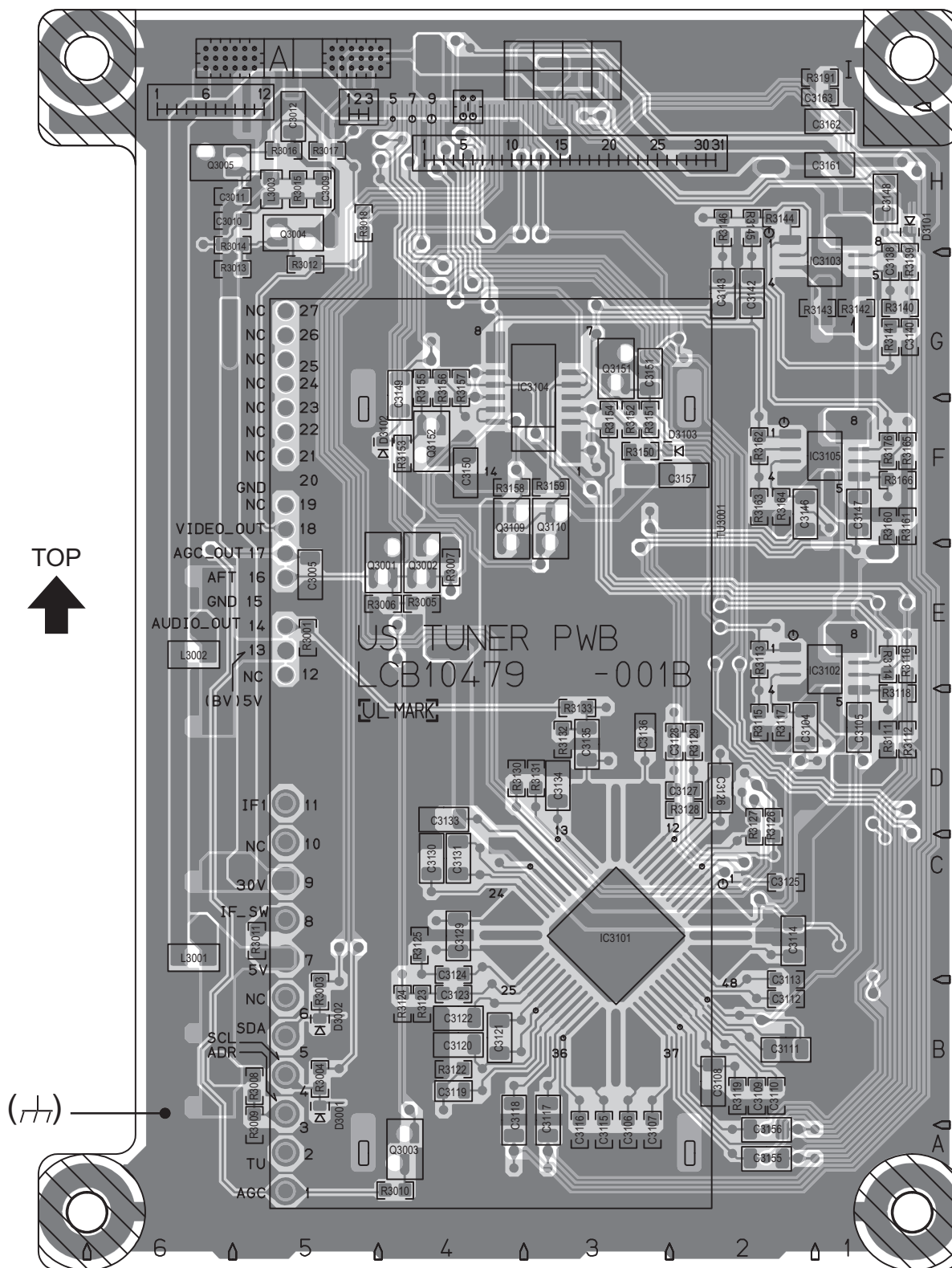
ATSC TUNER
MODULE



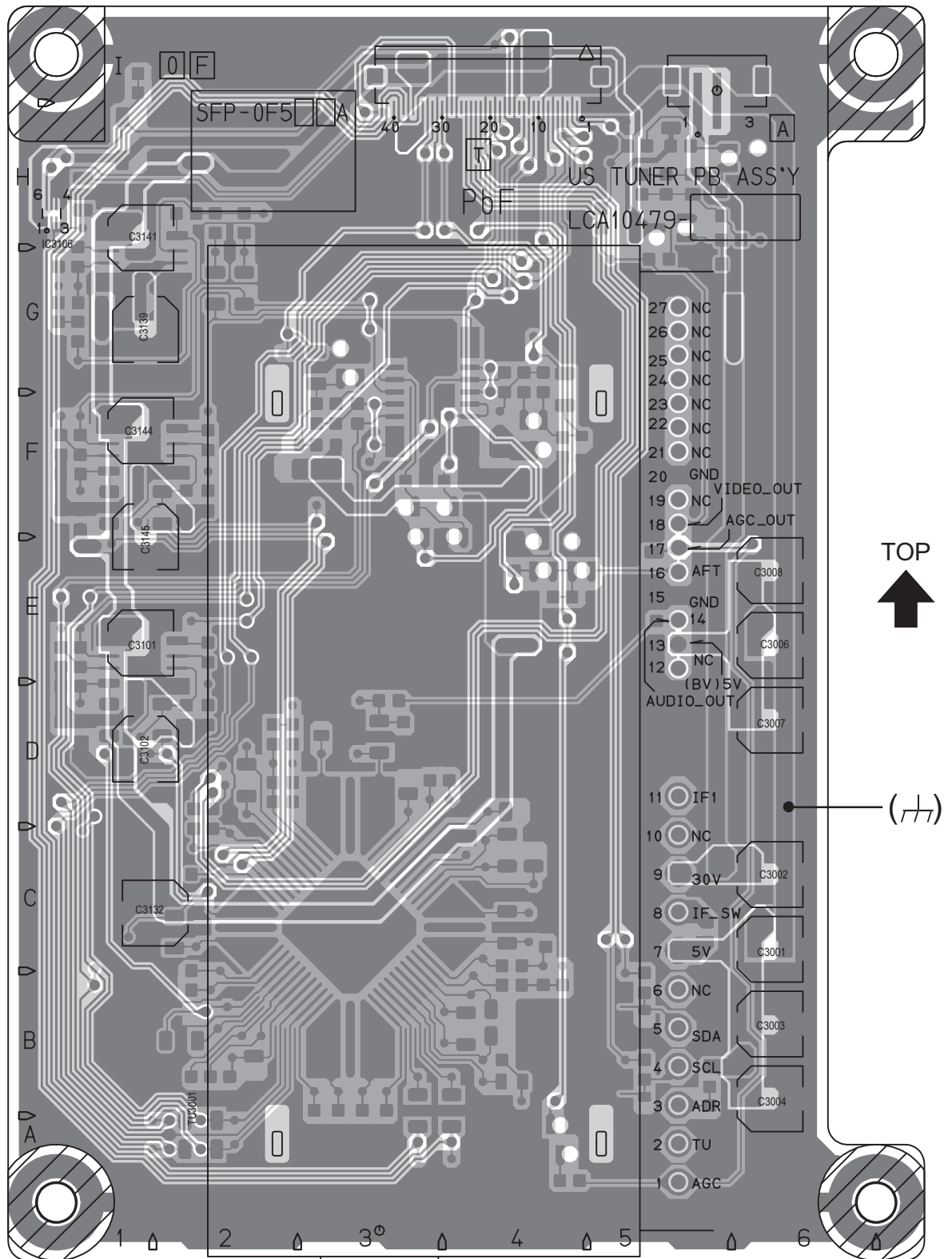
* DIFFERENCE LIST 1						
NOTE	EU TAIWAN	JPN	EU TAIWAN KOREA	ASIA	US	UK
VGA/XGA	VGA	VGA	VGA	XGA	XGA	XGA
ASYD NO	SFF-2010A SFF-2010B SFF-2010C	SFF-2110A SFF-2110B SFF-2110C	SFF-2010A SFF-2010B SFF-2010C	SFF-2010A SFF-2010B SFF-2010C	SFF-2023A	SFF-2010A
	OLLCS0107	OLLCS0107	OLLCS0107	OLLCS0107	OLLCS0107	OLLCS0107
Y9051	BW2	BW2	BW2	OPEN	BW2	BW2
Y9052	OPEN	OPEN	OPEN	OPEN	BW2	OPEN
Y9053	OPEN	OPEN	OPEN	OPEN	BW2	OPEN
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R6144	UK-2322	UK-2322	UK-2322	UK-2322	UK-2322	UK-2322
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R6149	UK-2322	UK-2322	UK-2322	UK-2322	UK-2322	UK-2322
R6150	UK-2322	UK-2322	UK-2322	UK-2322	UK-2322	UK-2322
R6151</						

PATTERN DIAGRAMS

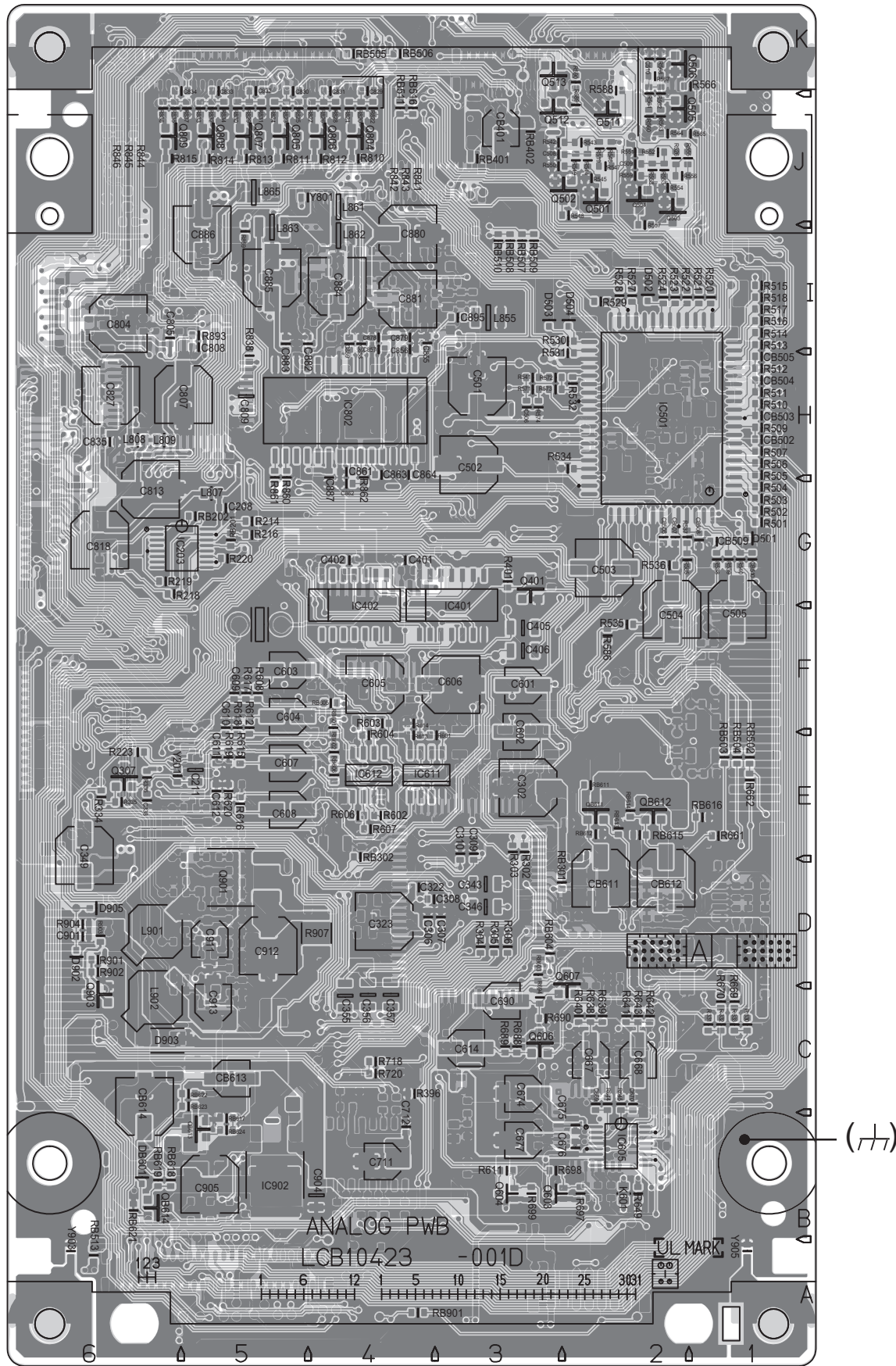
RECEIVERPWB PATTERN [SOLDER SIDE]



RECEIVER PWB PATTERN [PARTS SIDE]

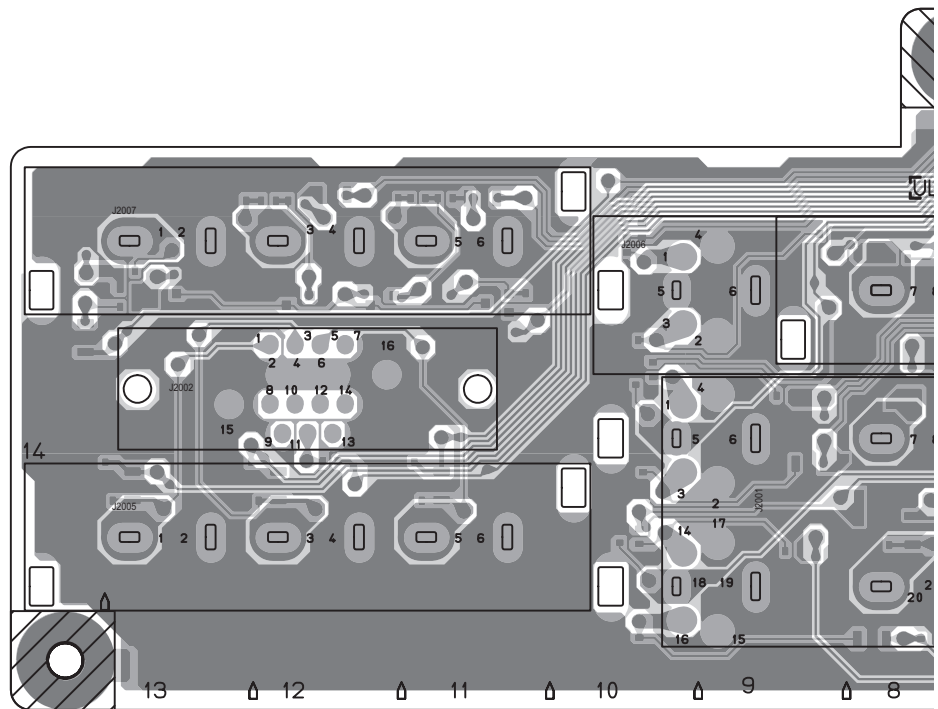


ANALOG SIGNAL PWB PATTERN [SOLDER SIDE]

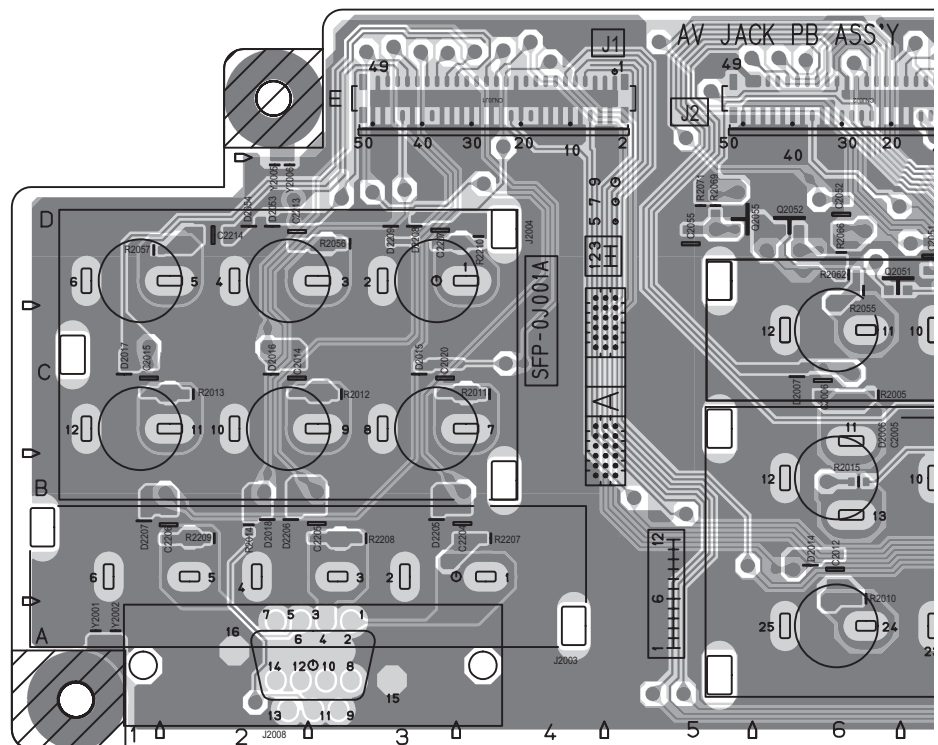


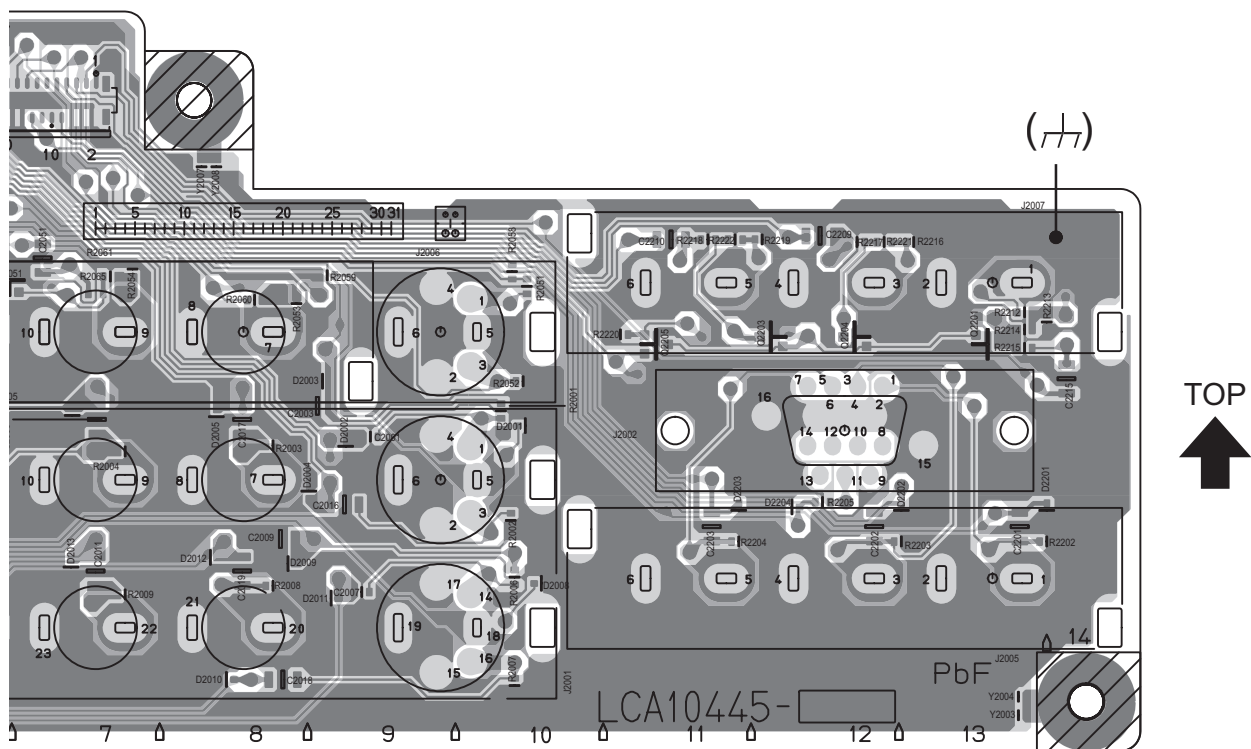
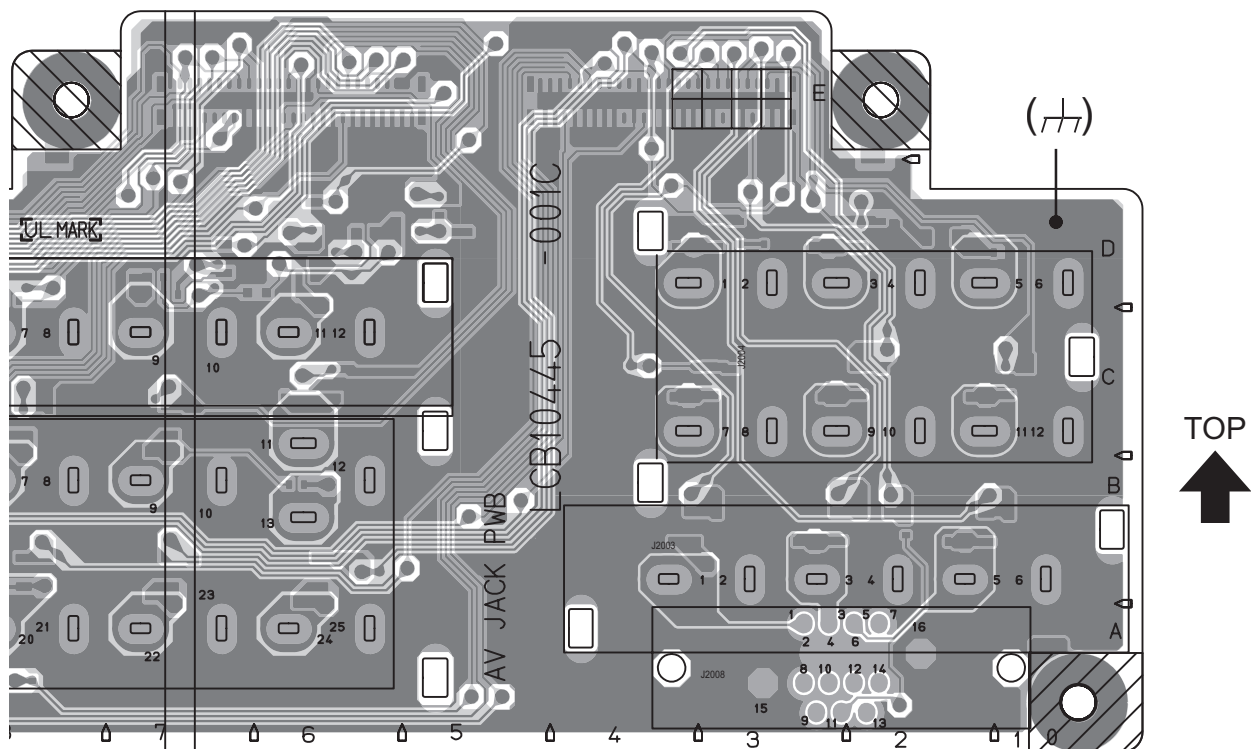

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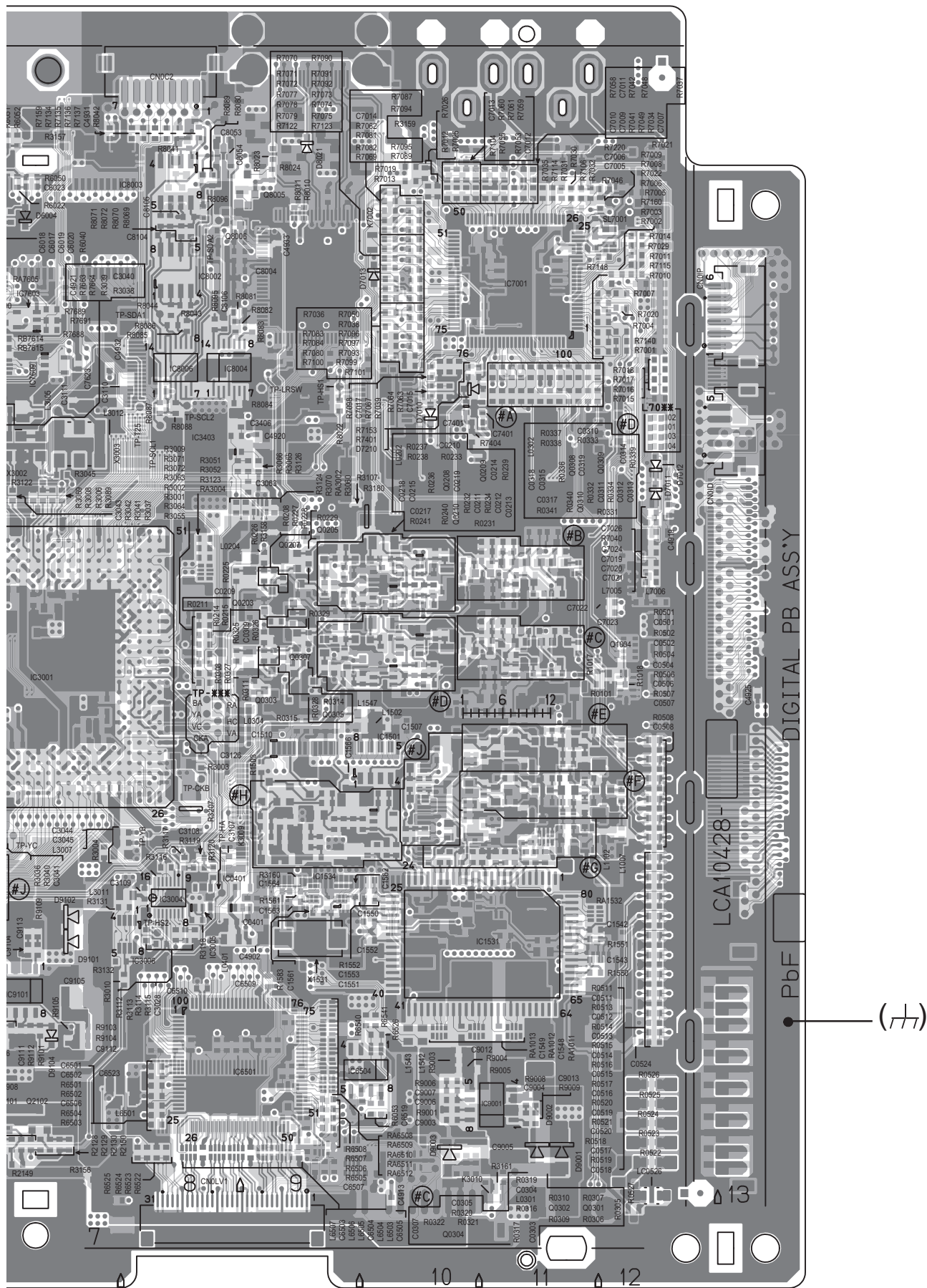
AV JACK PWB PATTERN [PARTS SIDE]



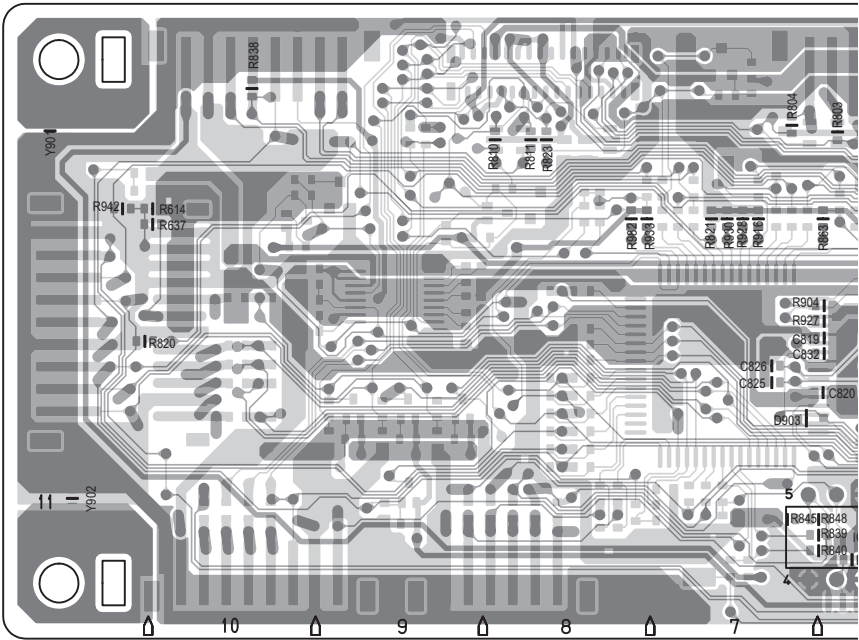
AV JACK PWB PATTERN [PARTS SIDE]



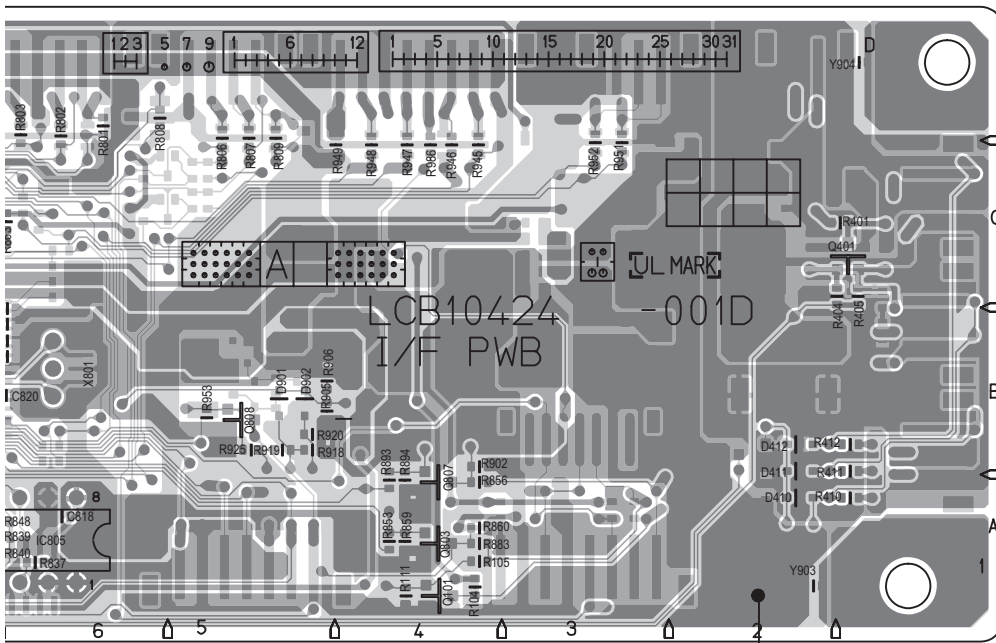




INTERFACE PWB PATTERN [SOLDER SIDE]

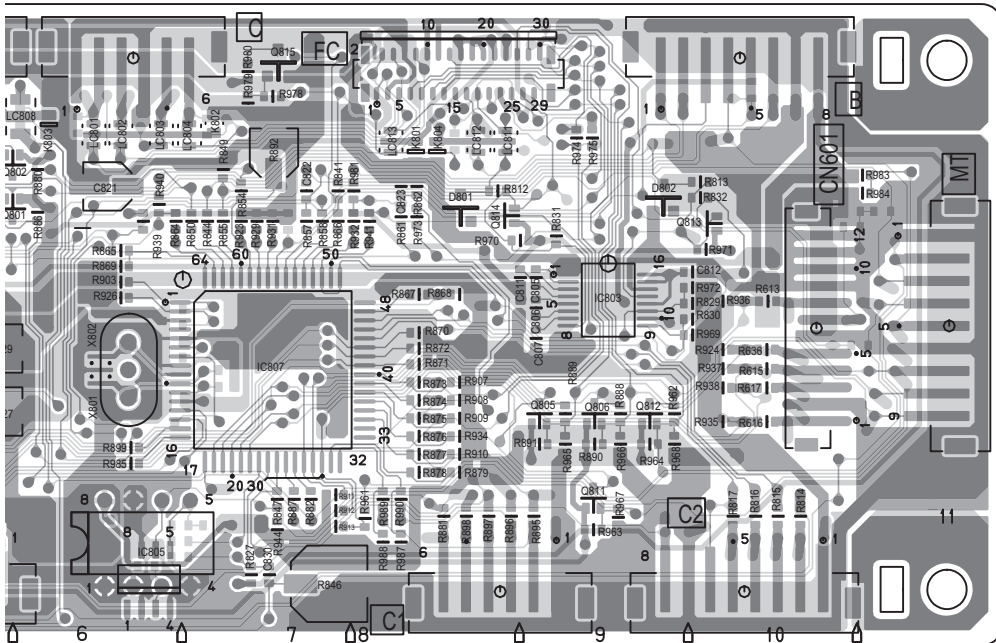


TOP



(H)

TOP



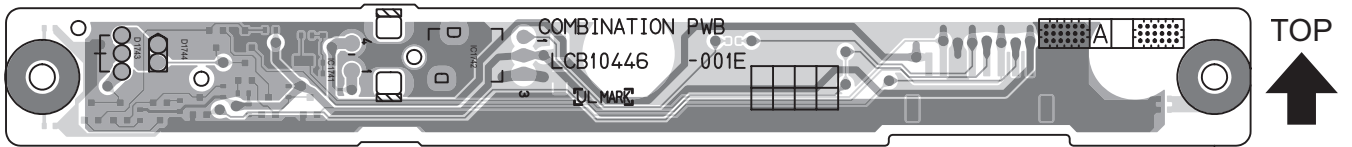
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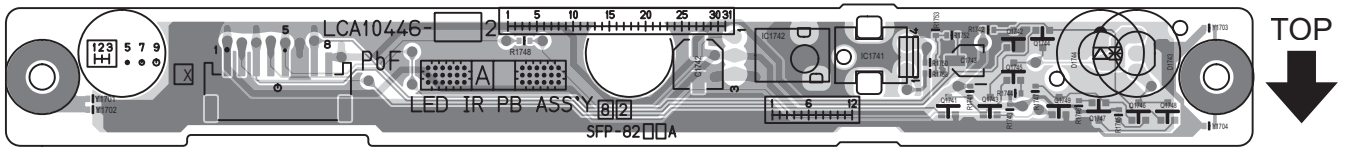
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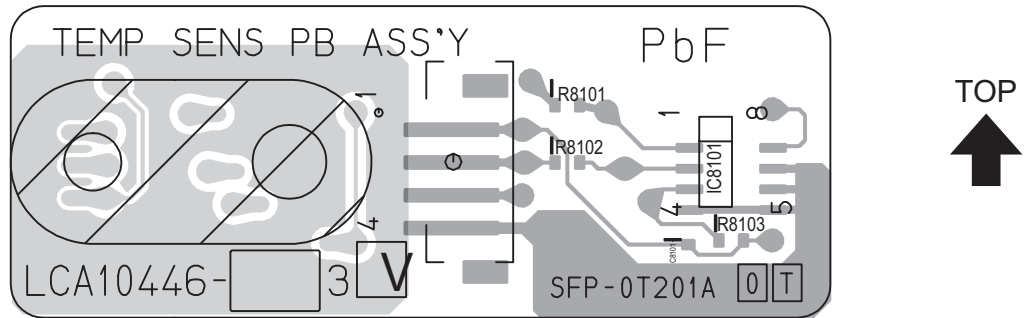
FRONT LED PWB PATTERN [SOLDER SIDE]



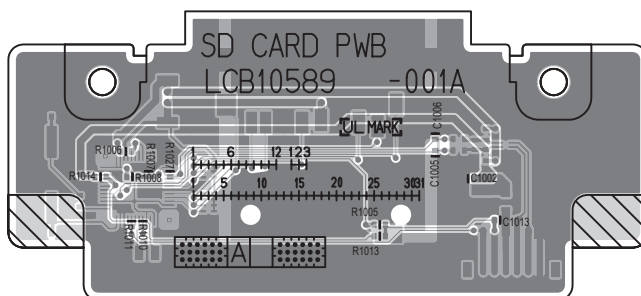
FRONT LED PWB PATTERN [PARTS SIDE]



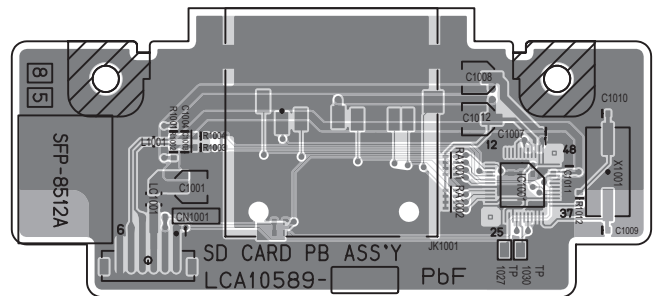
TEMP. SENSOR PWB PATTERN

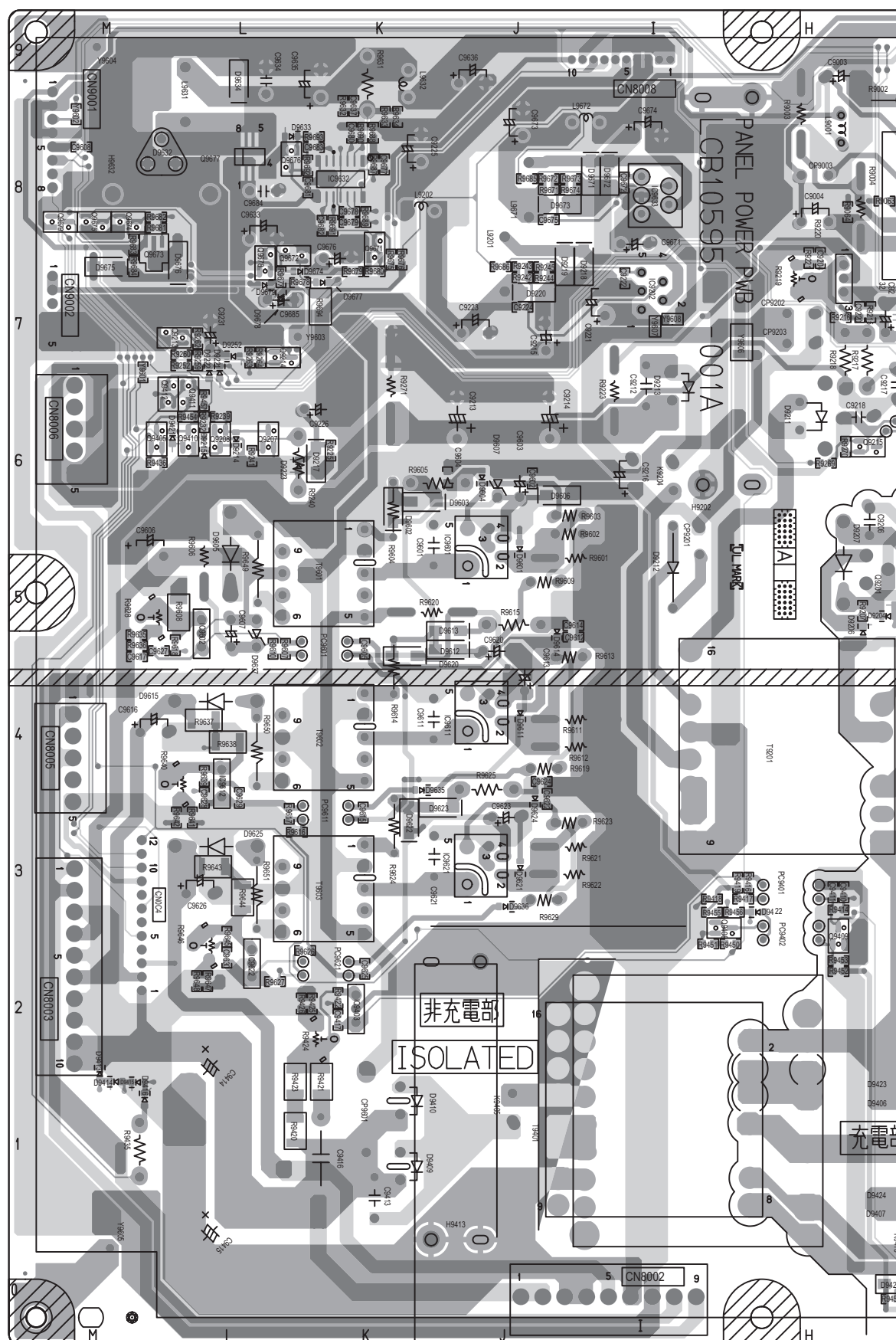


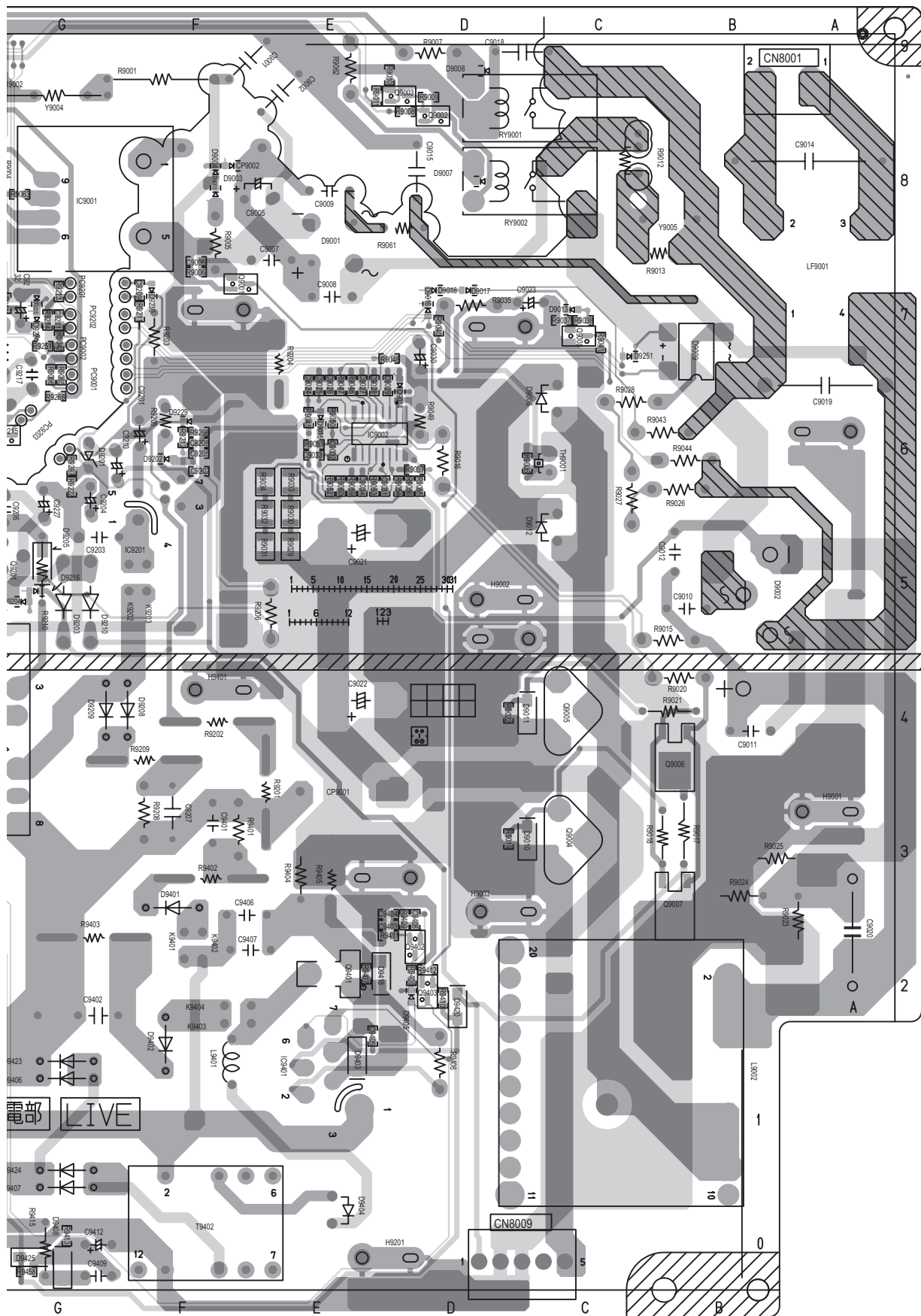
SD CARD PATTERN [SOLDER SIDE]



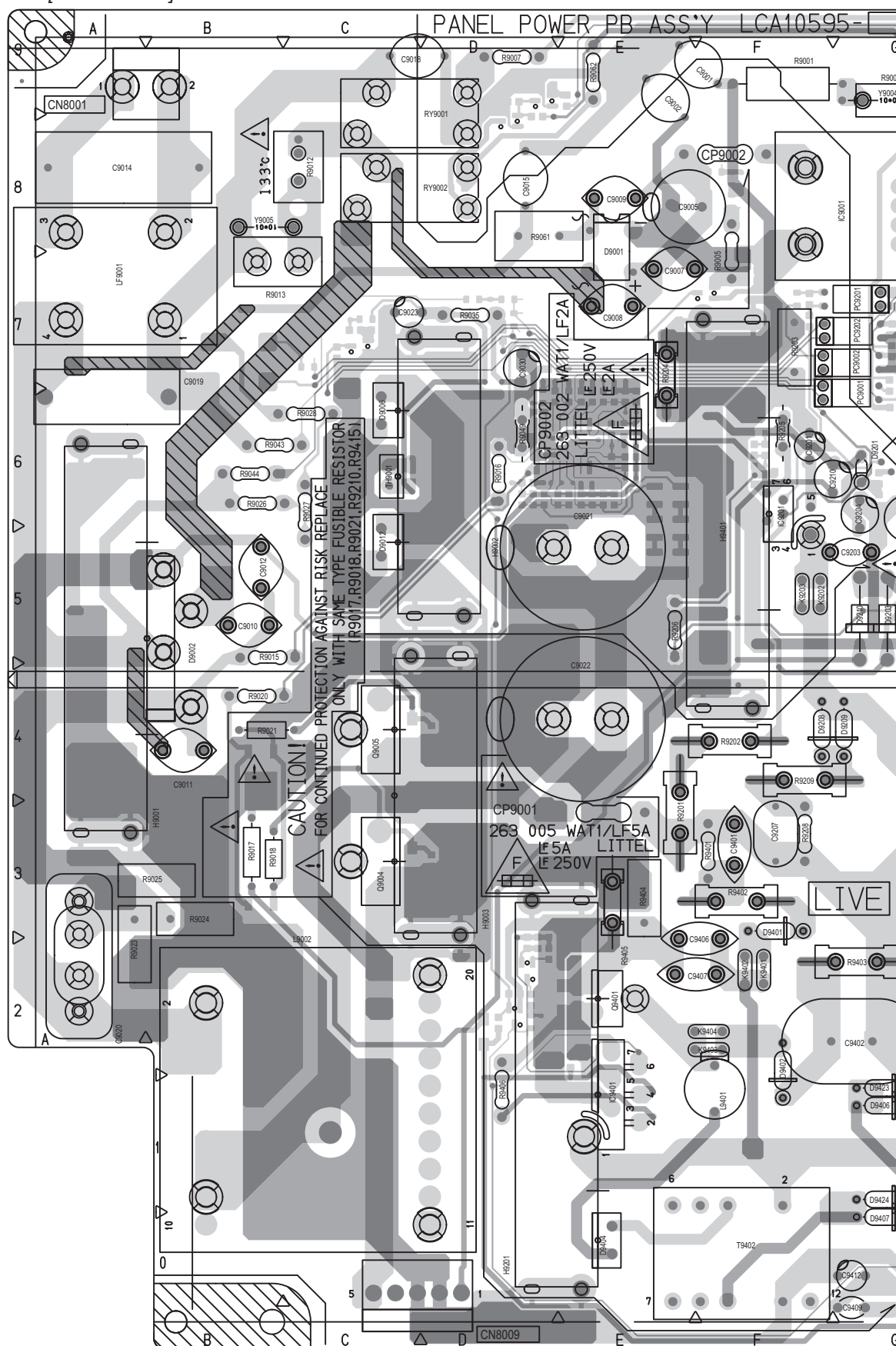
SD CARD PATTERN [PARTS SIDE]



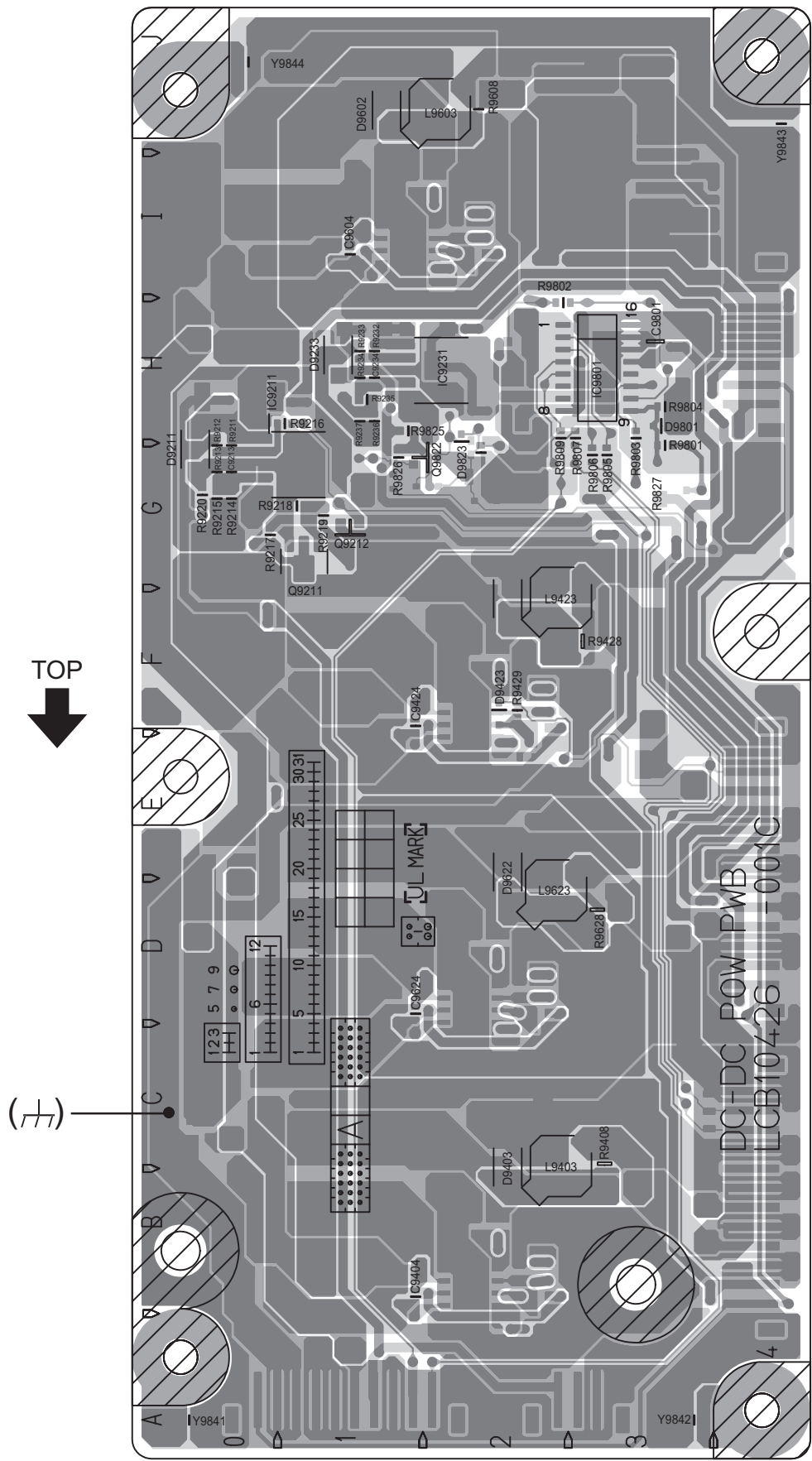


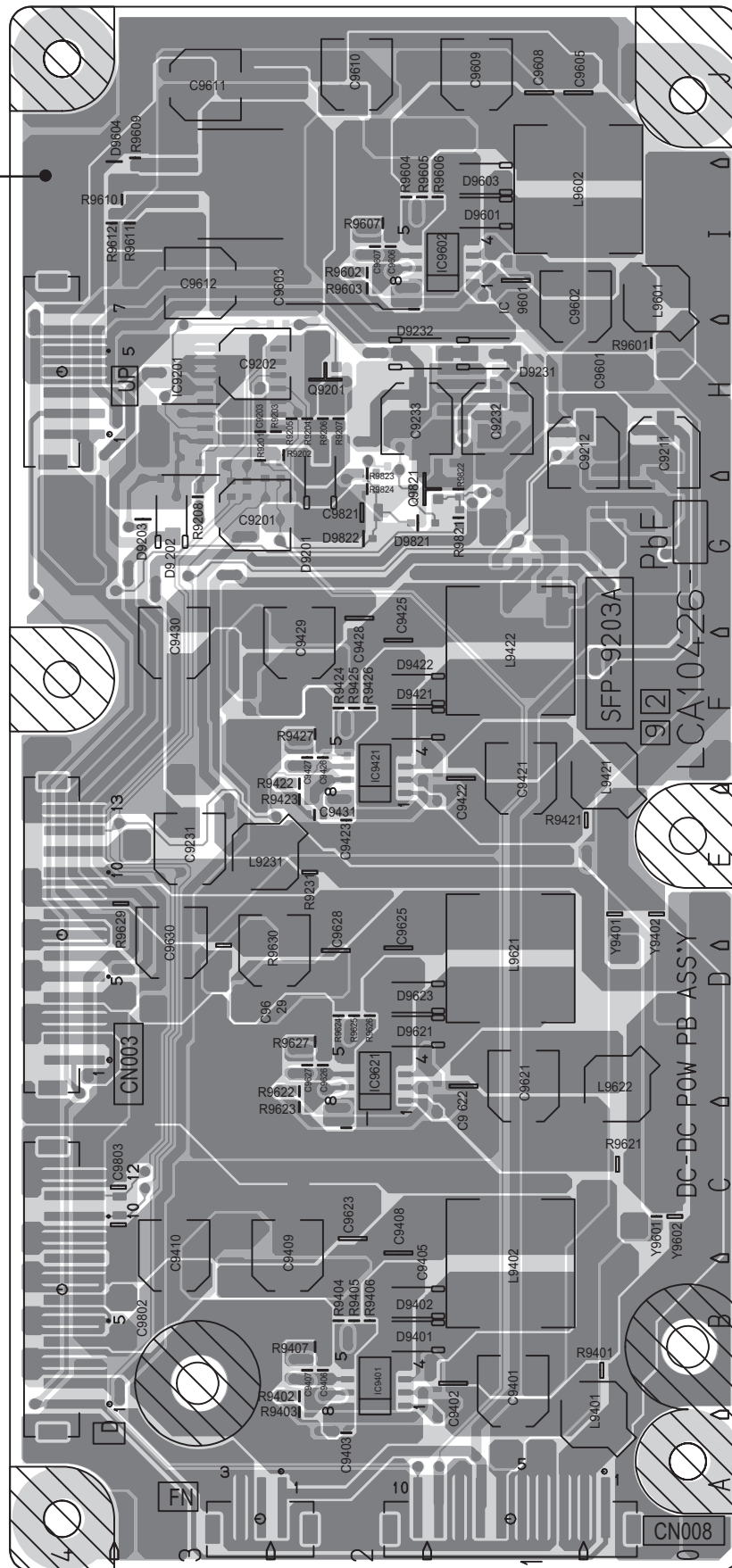


2-87(No.YA291)

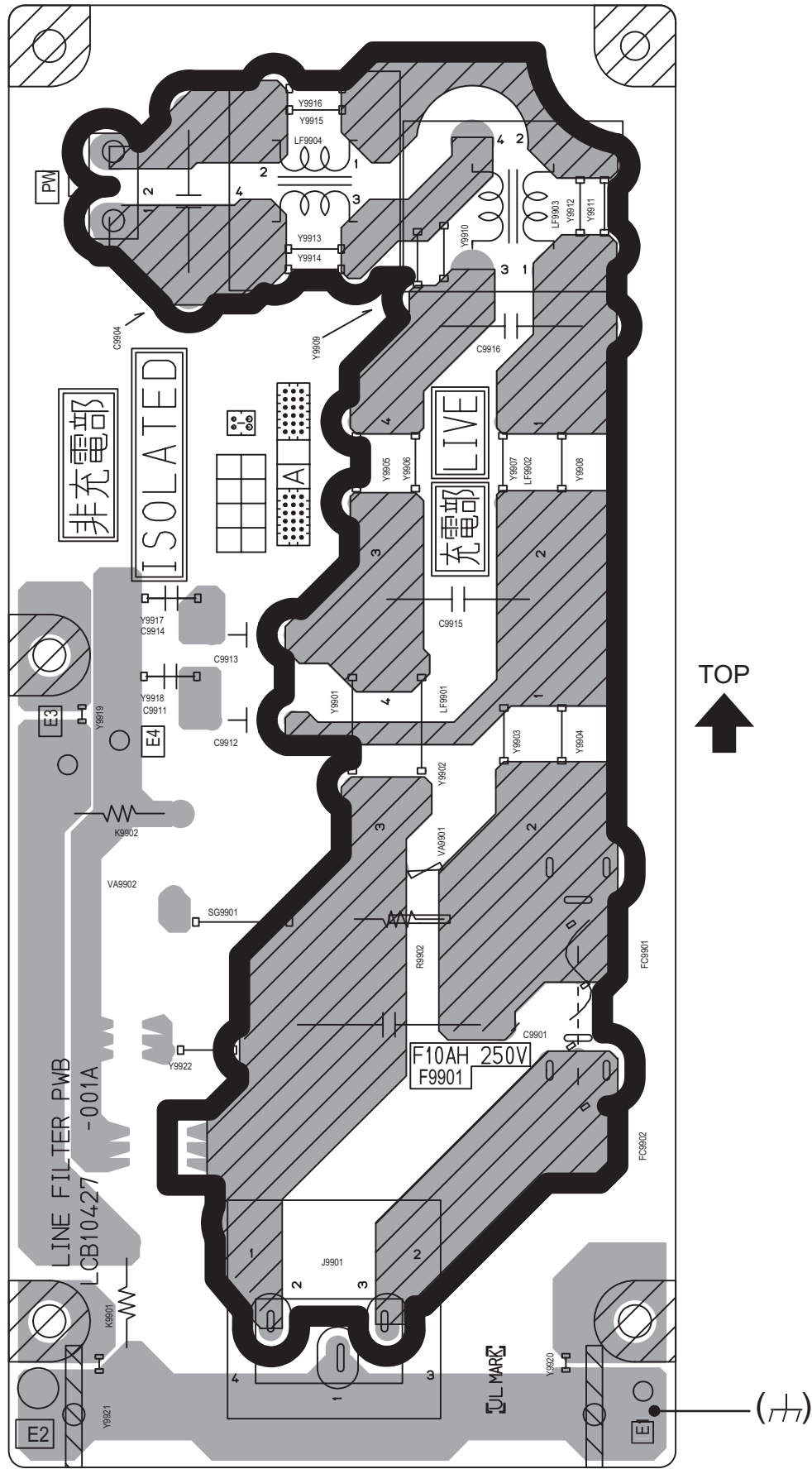


REGULATOR PWB PATTERN [SOLDER SIDE]

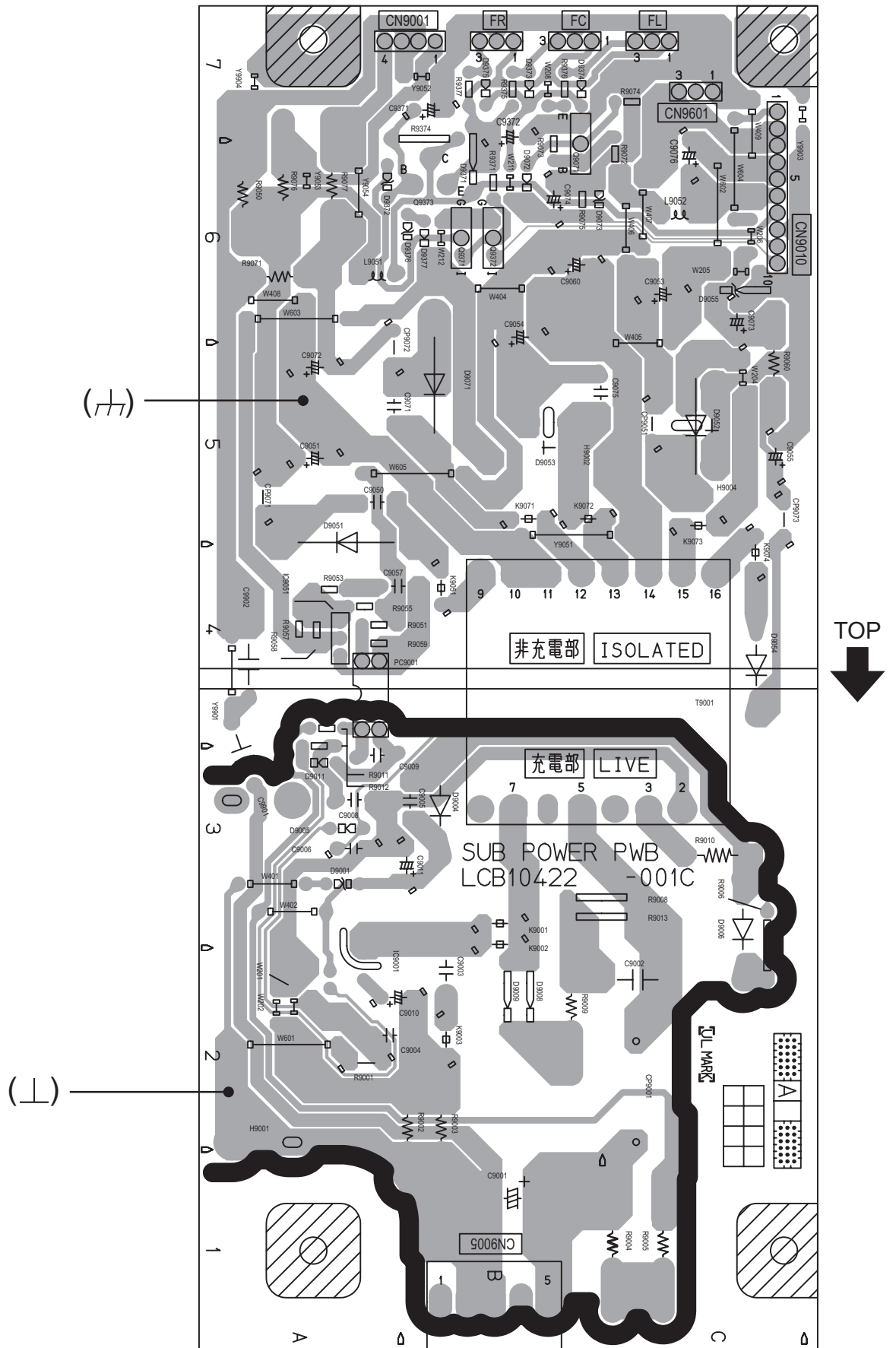


$$(\perp)$$


LINE FILTER PWB PATTERN



SUB POWER PWB PATTERN



VOLTAGE CHARTS

<RECEIVER PWB>

[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC3101	
1	4.1
2	4.1
3	4.1
4	4.1
5	4.5
6	4.5
7	0
8	4.1
9	4.0
10	4.1
11	4.6
12	6.0
13	4.1
14	1.2
15	1.2
16	0
17	0
18	3.2
19	9.0
20	0
21	4.1
22	4.1
23	4.2
24	4.0
25	4.1
26	4.4
27	4.1
28	1.6
29	4.1
30	4.1
31	1.7
32	4.0
33	4.0
34	4.0
35	4.1
36	4.1
37	4.0
38	4.1
39	4.1
40	4.1
41	0.6
42	4.0
43	4.1
44	4.1
45	4.0
46	4.1
47	4.1
48	4.1
IC3102	
1	4.5
2	4.5
3	4.5
4	0
5	4.5
6	4.5
7	4.5
8	9.0
IC3104	
1	4.1
2	4.1
3	4.1
4	4.4
5	0
6	0
7	0
8	4.4
9	4.1
10	4.1
11	4.0
12	8.9
13	9.0
14	9.0
IC3105	
1	4.4
2	4.5
3	4.5
4	0
5	4.5
6	4.5
7	4.4
8	9.0
IC3106	NC
Q3001	
E	2.3
C	0
B	1.7
Q3002	
E	1.8
C	9.0
B	2.3
Q3109	
E	0
C	8.9
B	0

MODE PIN NO.	DC (V)
Q3110	
E	0
C	0
B	3.3
Q3151	
E	4.7
C	0
B	4.1
Q3152	
E	4.7
C	0
B	4.1
TU3001	
1	3.8
2	0
3	4.8
4	4.9
5	4.9
6	0
7	4.8
8	4.8
9	31.9
10	0
11	0
12	0
13	4.8
14	1.5
15	0
16	1.7
17	3.8
18	2.7
19	2.2
20	0
21	0
22	NC
23	NC
24	NC
25	NC
26	NC
27	NC

<ANALOG SIGNAL PWB>

[P.2-11 - P.2-12]

MODE PIN NO.	DC (V)
IC501	
1	4.6
2	4.5
3	4.6
4	4.4
5	4.4
6	0
7	4.9
8	4.3
9	4.5
10	4.1
11	4.4
12	4.4
13	0.2
14	0
15	4.7
16	4.4
17	4.6
18	4.5
19	4.4
20	0
21	4.9
22	4.3
23	4.5
24	4.4
25	4.5
26	4.4
27	0
28	4.9
29	4.4
30	4.3
31	4.5
32	9.1
33	4.7
34	4.5
35	0
36	0
37	0
38	4.5
39	3.7
40	4.5
41	3.7
42	9.0
43	4.5
44	4.3
45	4.5
46	4.5
47	4.4
48	4.3
49	4.9
50	4.5
51	4.4

MODE PIN NO.	DC (V)
52	4.5
53	4.4
54	4.5
55	3.7
56	4.1
57	0
58	4.2
59	4.5
60	4.3
61	4.4
62	4.5
63	5.2
64	4.5
IC502	
1	2.2
2	2.1
3	9.1
4	2.8
5	0
6	9.0
IC503	
1	2.2
2	2.1
3	9.1
4	2.8
5	0
6	9.0
IC504	
1	2.1
2	2.1
3	9.0
4	2.8
5	0
6	9.1
Q507	
E	2.8
C	0
B	2.1
Q508	
E	2.4
C	0
B	1.8
Q509	
E	2.5
C	0
B	1.8

[P.2-13 - P.2-14]

MODE PIN NO.	DC (V)
IC711	
1	0
2	2.1
3	4.6
4	0.4
5	2.3
6	4.6
7	1.1
8	0
9	2.1
10	0
11	5.0
12	5.0
13	0
14	4.5
15	4.6
16	5.0
IC801	
1	3.4
2	1.9
3	1.4
4	0.2
5	2.9
6	4.9
7	2.5
8	0
9	0.2
10	0.7
11	2.3
12	4.9
13	4.3
14	4.4
15	0
16	0
17	0
18	0
19	0
20	2.4
21	1.6
22	1.8
23	1.7
24	0
25	2.1
26	2.1
27	2.1
28	0
29	0

MODE PIN NO.	DC (V)
30	0
31	0
32	4.9
33	2.2
34	2.3
35	2.3
36	0
37	4.9
38	3.9
39	1.6
40	3.1
41	2.7
42	4.5
43	1.6
44	2.7
45	0
46	2.7
47	3.7
48	1.7
IC802	
1	1.3
2	3.0
3	4.8
4	2.4
5	0
6	1.8
7	2.3
8	0
9	0
10	0
11	4.8
12	0
13	4.8
14	0
15	4.5
16	4.5
17	0
18	0
19	2.4
20	4.9
21	0
22	2.6
23	2.7
24	3.3
25	3.3
26	0
27	3.6
28	1.6
Q402	
S	3.0
D	3.0
G	4.5
Q403	
S	3.0
D	3.0
G	4.6
Q404	
S	3.0
D	3.3
G	5.0
Q405	
S	3.0
D	3.3
G	5.0
Q801	
E	2.7
C	0
B	2.1
Q802	
E	2.6
C	0
B	2.0
Q810	
E	2.0
C	0
B	1.4
Q851	
E	1.6
C	0
B	1.0
Q853	
E	2.0
C	9.0
B	2.7
Q854	
E	2.6
C	9.0
B	3.3
Q855	
E	2.0
C	0
B	1.3
Q858	
E	2.9
C	9.0
B	3.6

MODE PIN NO.	DC (V)
Q859	
E	3.5
C	0
B	2.8
Q862	
E	0.8
C	3.9
B	1.4
Q863	
E	3.3
C	4.9
B	3.9
Q8613	
E	0
C	4.9
B	0
Q8614	
E	4.6
C	0
B	5.0

[P.2-15 - P.2-16]

MODE PIN NO.	DC (V)
IC201	
1	0.3
2	0.2
3	0
4	0
5	0
6	0
7	6.1
8	0
9	4.8
10	0
11	8.8
12	1.3
13	0
14	0
15	0.1
16	0
17	0
18	0
19	0.6
20	0
21	4.4
22	4.6
23	0
24	2.1
25	1.2
26	2.2
27	0
28	1.3
29	0.1
30	4.9
IC202	
1	0.6
2	0.6
3	0
4	0.2
5	3.3
IC203	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	4.9
10	4.9
11	4.9
12	0
13	0
14	0
15	0
16	4.9
IC301	
1	4.9
2	4.5
3	4.5
4	0
5	4.6
6	0
7	4.7
8	4.8
9	4.7
10	0.5
11	4.5
12	4.5
13	0
14	4.7
15	0
16	4.7
17	0
18	4.7

MODE PIN NO.	DC (V)
19	0.2
20	4.4
21	0
22	0
23	4.5
24	4.5
25	0
26	4.4
27	4.4
28	0
29	0
30	4.3
31	9.0
32	4.6
33	4.6
34	0
35	4.4
36	4.4
37	0
38	4.3
39	4.5
40	4.5
41	4.5
42	0
43	4.3
44	4.4
45	0
46	4.2
47	9.0
48	4.7
49	0
50	4.7
51	0
52	4.7
53	0.5
54	4.4
55	4.5
56	0
57	4.7
58	0
59	4.7
60	0
61	4.7
62	0.4
63	4.5
64	4.5
65	0
66	4.6
67	4.6
68	4.7
69	0
70	4.5
71	4.5
72	0
73	4.9
74	4.7
75	4.6
76	4.7
77	0
78	4.5
79	4.5
80	0
Q307	
E	2.6
C	0
B	2.0

[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
IC604	
1	4.5
2	4.6
3	4.4
4	0
5	4.4
6	4.5
7	4.5
8	9.0

[P.2-19 - P.2-20]

MODE PIN NO.	DC (V)
IC902	
1	4.9
2	0
3	3.3
Q901	
E	9.7
C	9.0
B	9.0
Q902	
E	5.6
C	5.0
B	4.9

<AV JACK PWB>

[P.2-21 - P.2-22]

MODE PIN NO.	DC (V)
Q2051	
E	0
C	0
B	1.7
Q2052	
E	0
C	0
B	1.6
Q2055	
E	1.7
C	1.7
B	0
Q2203	
E	0
C	0
B	-0.2
Q2204	
E	0
C	0
B	-0.2
Q2205	
E	0.2
C	-0.2
B	0

<DIGITAL SIGNAL PWB>

[P.2-25 - P.2-26]

MODE PIN NO.	DC (V)
IC4041	
1	3.3
2	0.1
3	0
4	3.2
5	3.4
Q2021	
E	3.7
C	7.8
B	4.4
Q2022	
E	8.5
C	4.8
B	7.8
Q2023	
E	0
C	1.9
B	0
Q2024	
E	5.6
C	0
B	4.8
Q2027	
E	2.6
C	0
B	1.9
Q2028	
E	1.8
C	9.0
B	2.4
Q2029	
1	2.4
2	0
3	2.4
4	2.5
5	0
6	2.5
Q2030	
E	3.7
C	7.8
B	4.4
Q2032	
E	8.5
C	4.8
B	7.8
Q2033	

WAVEFORMS

<REGULATOR PWB>
[P.2-63 - P.2-64]

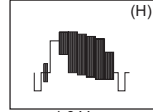
MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
Q9671		IC9401	
E	0	1	13.5
C	4.0	2	17.9
B	0	3	9.0
Q9672		4	0
E	0	5	1.2
C	0	6	1.2
B	4.2	7	4.4
Q9673		8	1.5
E	2.7	IC9421	
C	3.1	1	7.4
B	3.1	2	17.9
Q9674		3	2.5
E	0	4	0
C	0	5	1.2
B	2.6	6	1.4
Q9675		7	4.8
E	0	8	0
C	2.5	IC9621	
B	0	1	9.8
Q9676		2	17.9
E	20.3	3	4.9
C	21.1	4	0
B	20.3	5	1.2
Q9677		6	1.5
1	21.1	7	4.3
2	21.1	8	0
3	21.1	IC9801	
4	20.4	1	0
5	3.4	2	4.5
6	3.4	3	4.4
7	3.4	4	5.0
8	3.4	5	0
Q9678		6	0
E	0	7	0
C	0	8	0
B	0	9	0
CN8002		10	0
1	207.4	11	0
2	207.4	12	0
3	0	13	5.0
4	0	14	0
5	99.5	15	0
6	0	16	0
7	0	Q9211	
8	15.0	E	12.8
9	5.0	C	13.5
CN8003		B	13.6
1	5.0	Q9212	
2	15.0	E	0
3	0	C	0
4	-189.7	B	5.0
5	0	Q9822	
6	194.2	E	0
7	0	C	0
8	0	B	0.6
9	207.4		
10	207.3		

<SUB POWER PWB>
[P.2-67 - P.2-68]

MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
CN8006		IC9001	
1	69.6	1	367.1
2	0	2	NC
3	3.7	3	0
4	0	4	18.8
5	0	5	0
CN8008		6	1.3
1	3.3	7	0.6
2	3.3	IC9051	
3	0	1	2.3
4	0	2	0
5	5.0	3	14.1
6	0	Q9371	
7	0	E	3.7
8	4.9	C	2.4
9	3.1	B	4.0
10	5.2	Q9372	
		E	3.7
		C	4.1
		B	5.0
		Q9373	
		E	10.3
		C	13.7
		B	10.9

RECEIVER PWB
(SHEET1)

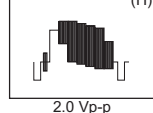
TU3001-18



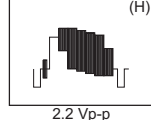
ANALOG SIGNAL PWB (1/5)

(SHEET2)

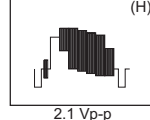
IC501-41



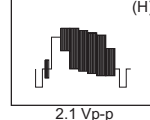
IC501-44



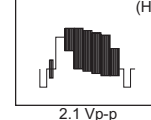
IC501-49



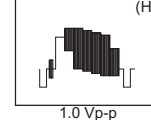
IC501-53



IC501-56



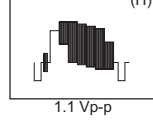
IC501-63



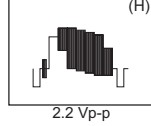
ANALOG SIGNAL PWB (2/5)

(SHEET3)

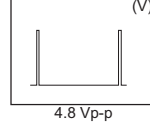
IC801-1



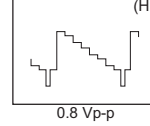
IC801-3



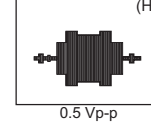
IC801-4



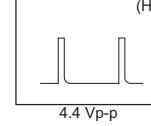
IC801-5



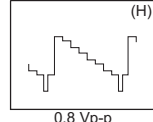
IC801-7



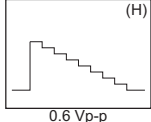
IC801-9



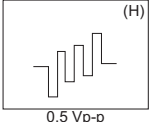
IC801-11



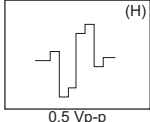
IC801-21



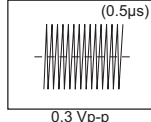
IC801-22



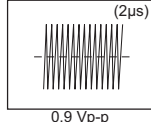
IC801-23



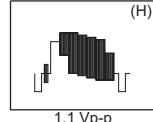
IC801-38



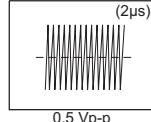
IC801-46



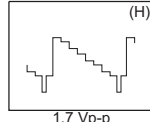
IC802-7



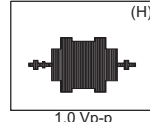
IC802-19



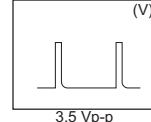
IC802-25



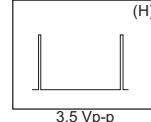
IC802-27



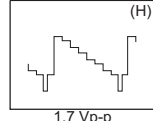
CN002-5



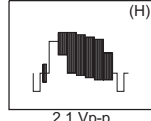
CN002-6



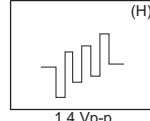
CN002-8



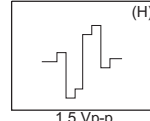
CN002-10



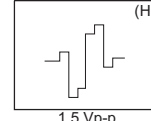
CN002-20



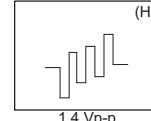
CN002-22



CN002-26



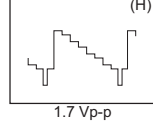
CN002-28



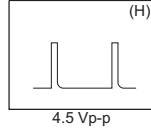
ANALOG SIGNAL PWB (3/5)

(SHEET4)

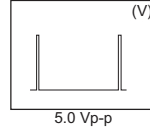
CN002-30



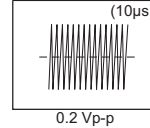
IC201-1



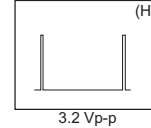
IC201-2



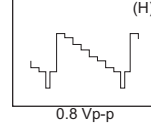
IC201-9



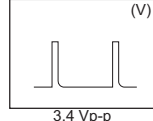
IC201-19



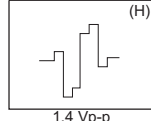
IC201-26



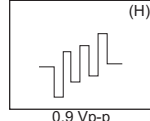
IC201-29



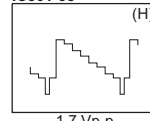
IC301-35



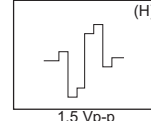
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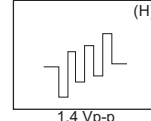
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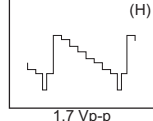
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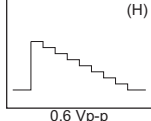
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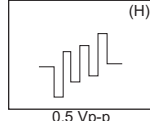
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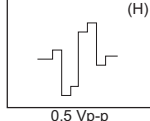
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IC301-75

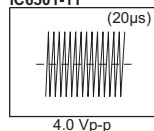


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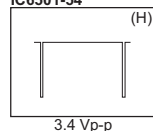


DIGITAL SIGNAL PWB (7/11)
(SHEET14)

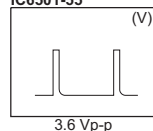
IC6501-11



IC6501-54

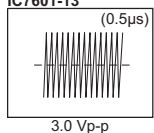


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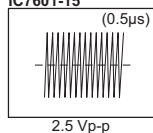


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(SHEET16)

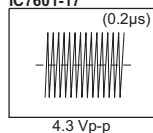
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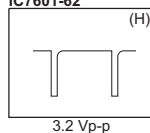
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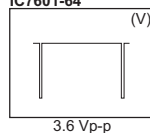
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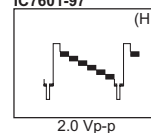
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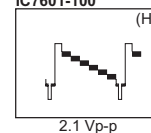
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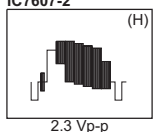
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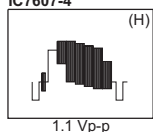
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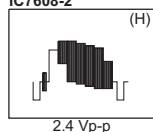
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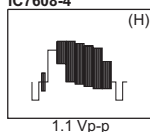
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IC7608-2

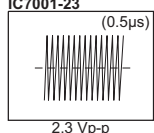


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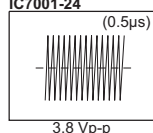


DIGITAL SIGNAL PWB (10/11)
(SHEET17)

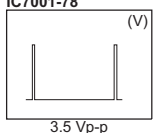
IC7001-23



IC7001-24

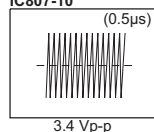


IC7001-78

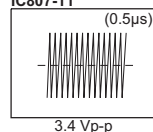


INTERFACE PWB (1/2)
(SHEET19)

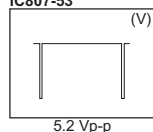
IC807-10



IC807-11



IC807-53





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(No.YA291)



Printed in Japan
VPT

PARTS LIST

CAUTION

- The parts identified by the Δ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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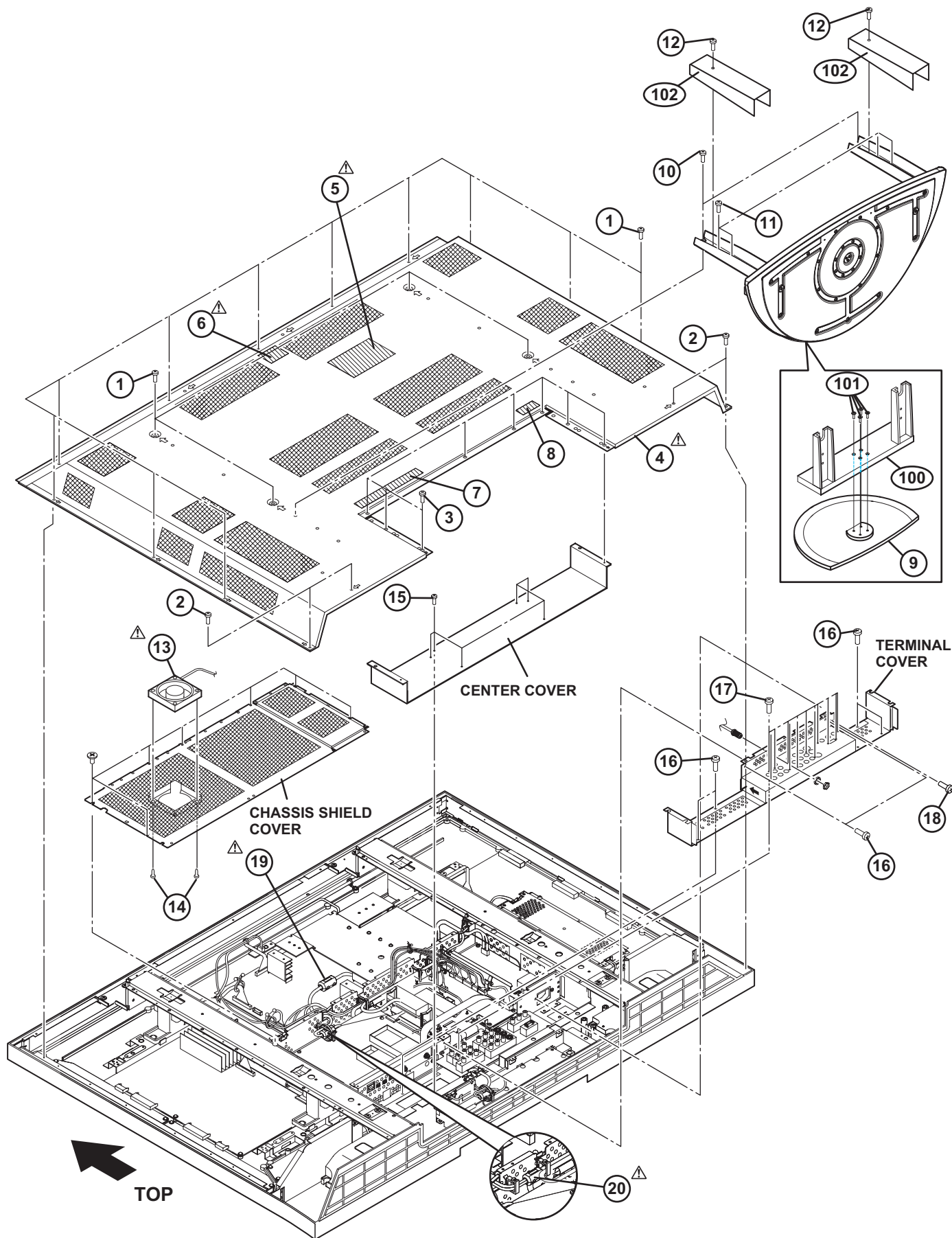
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.
AUDIO P.W.B	SFP-6010A-M2
INTERFACE P.W.B	SFP-7514A-M2
FRONT CONTROL P.W.B	SFP-8511A-M2
FRONT LED P.W.B	SFP-8511A-M2
TEMP.SENSOR P.W.B	SFP-8511A-M2
SD CARD P.W.B	SFP-8512A-M2
SUB POWER P.W.B	SFP-9523A-M2
REGULATOR P.W.B	SFP-9524A-M2
LINE FILTER P.W.B	SFP-9525A-M2
MAIN POWER P.W.B	SFP-9526A-M2
ANALOG SIGNAL P.W.B	SFP0A508A-M2
DIGITAL SIGNAL P.W.B	SFP0D511A-M2
RECEIVER P.W.B	SFP0F507A-M2
AV JACK P.W.B	SFP0J507A-M2
ATSC TUNER MODULE P.W.B	SSD-2101A
REMOTE CONTROL UNIT	RM-C14G-1H

EXPLODED VIEW PARTS LIST - 1

	△ Ref.No.	Part No.	Part Name	Description	Local
	1	LC41647-001B	SCREW	(x15)	
	2	QYSBSFG4016M	TAP SCREW	M4 x 16mm(x4)	
	3	QYSBSG3008M	TAP SCREW	M3 x 8mm(x8)	
△	4	LC11892-001C-0K	BACK COVER		
△	5	LC33170-001A-A	RATING LABEL		
△	6	LC41693-001A	CAUTION LABEL		
	7	LC21898-001B	TERMINAL LABEL		
	8	LC41694-002A	INLET LABEL		
	9	LC42289-001A-C	STAND BASE UNIT		
	10	LC41764-001A	ASSY SCREW	(x2)	
	11	QYSPSPD5016M	SCREW	M5 x 16mm(x4)	
	12	QYSPSPD4018NA	SCREW	M4 x 18mm(x2)	
△	13	QAR0362-001	COOLING FAN		
	14	LC42223-001A	RIVET	(x2)	
	15	QYSBSG3008M	TAP SCREW	M3 x 8mm(x6)	
	16	QYSBSG3008M	TAP SCREW	M3 x 8mm(x6)	
	17	QYSDSF3008MA	TAP SCREW	M3 x 8mm(x14)	
	18	QYSBSG3012MA	TAP SCREW	M3 x 12mm	
△	19	QQR0491-001	FERRITE CORE		
△	20	QQR0918-001	CORE FILTER		
	100	LC42291-001A-C	SUPPORT UNIT	Inc.101/102	
	101	M05R-PF0F-B3-20	SCREW		
	102	T0111-01	STAND COVER		

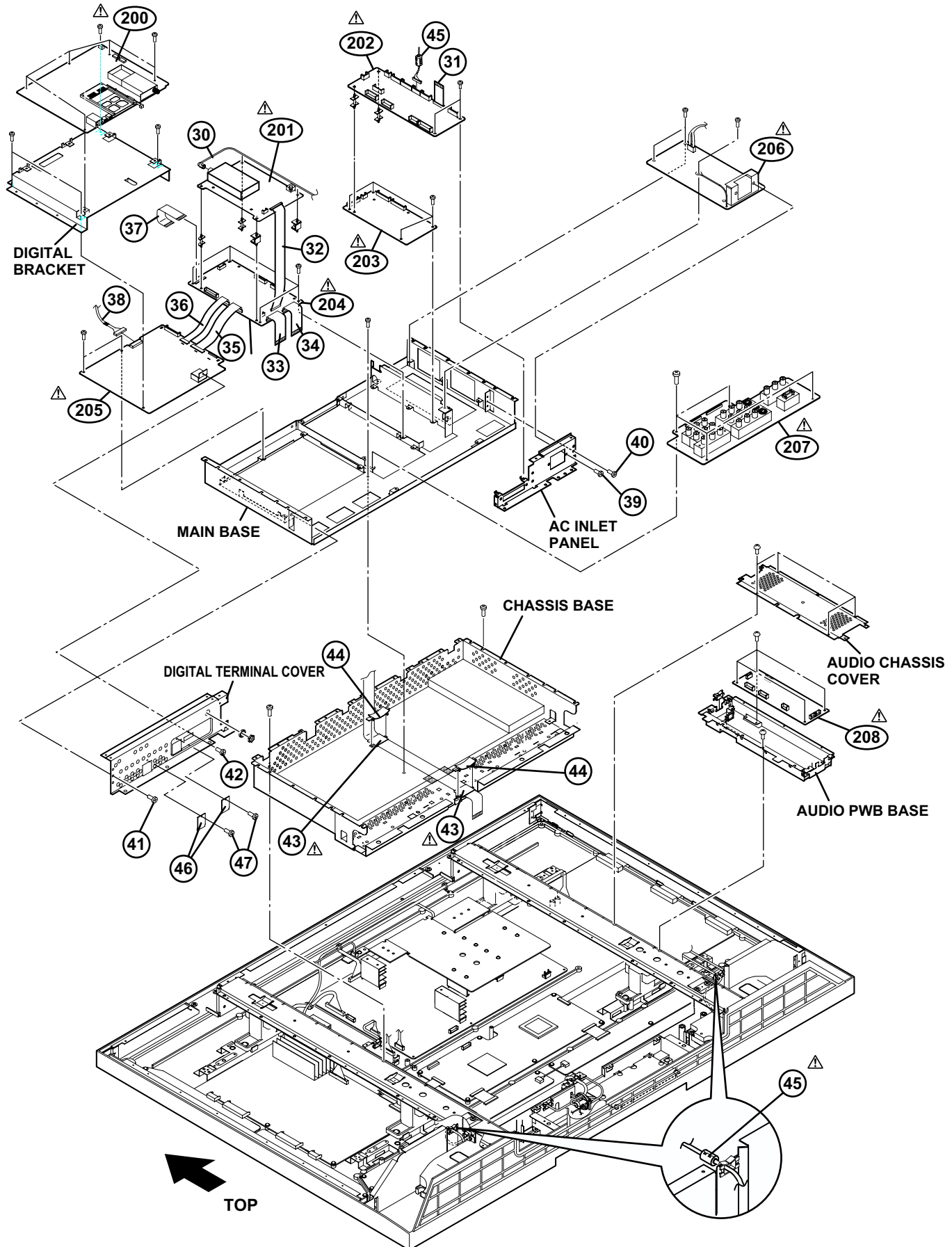
EXPLODED VIEW - 1



EXPLODED VIEW PARTS LIST - 2

△ Ref.No.	Part No.	Part Name	Description	Local
30	QAM0493-001	F CABLE		
31	QUQ105-3022AH	FFC WIRE	30pin 22cm	
32	QUQ105-4004AA	FFC WIRE	40pin 4cm	
33	QUQ105-5004AA	FFC WIRE	50pin 4cm	
34	QUQ105-5004AA	FFC WIRE	50pin 4cm	
35	QUQ105-5004AA	FFC WIRE	50pin 4cm	
36	QUQ105-3004AA	FFC WIRE	30pin 4cm	
37	QUQ105-5036AE	FFC WIRE	50pin 36cm	
38	WJW0026-001A-E	E-TWISTED ASSY	DIGITAL(LVDS) CABLE	
39	QYSBSG3012MA	TAP SCREW	M3 x 12mm	
40	QYSBSG3008M	TAP SCREW	M3 x 8mm	
41	QYSBSG3008M	TAP SCREW	M3 x 8mm	
42	QYSDSP3006NA	SCREW	M3 x 6mm	
△ 43	QQR1623-001	FERRITE CORE	(x2)	
44	QZW0144-001	WIRE CLAMP	(x2)	
△ 45	QQR0490-001	NOISE FILTER	(x3)	
46	LC41903-001A	SERVICE COVER		
47	QYSBSG3008M	TAP SCREW	M3 x 8mm	
△ 200	SSD-2101A	ATSC TUNER MODULE		
△ 201	SFP0F507A-M2	RECEIVER PWB		
△ 202	SFP-7514A-M2	INTERFACE PWB		
△ 203	SFP-9524A-M2	REGULATOR PWB		
△ 204	SFP0A508A-M2	ANALOG SIGNAL PWB		
△ 205	SFP0D511A-M2	DIGITAL SIGNAL PWB		
△ 206	SFP-9525A-M2	LINE FILTER PWB		
△ 207	SFP0J507A-M2	AV JACK PWB		
△ 208	SFP-6010A-M2	AUDIO PWB		

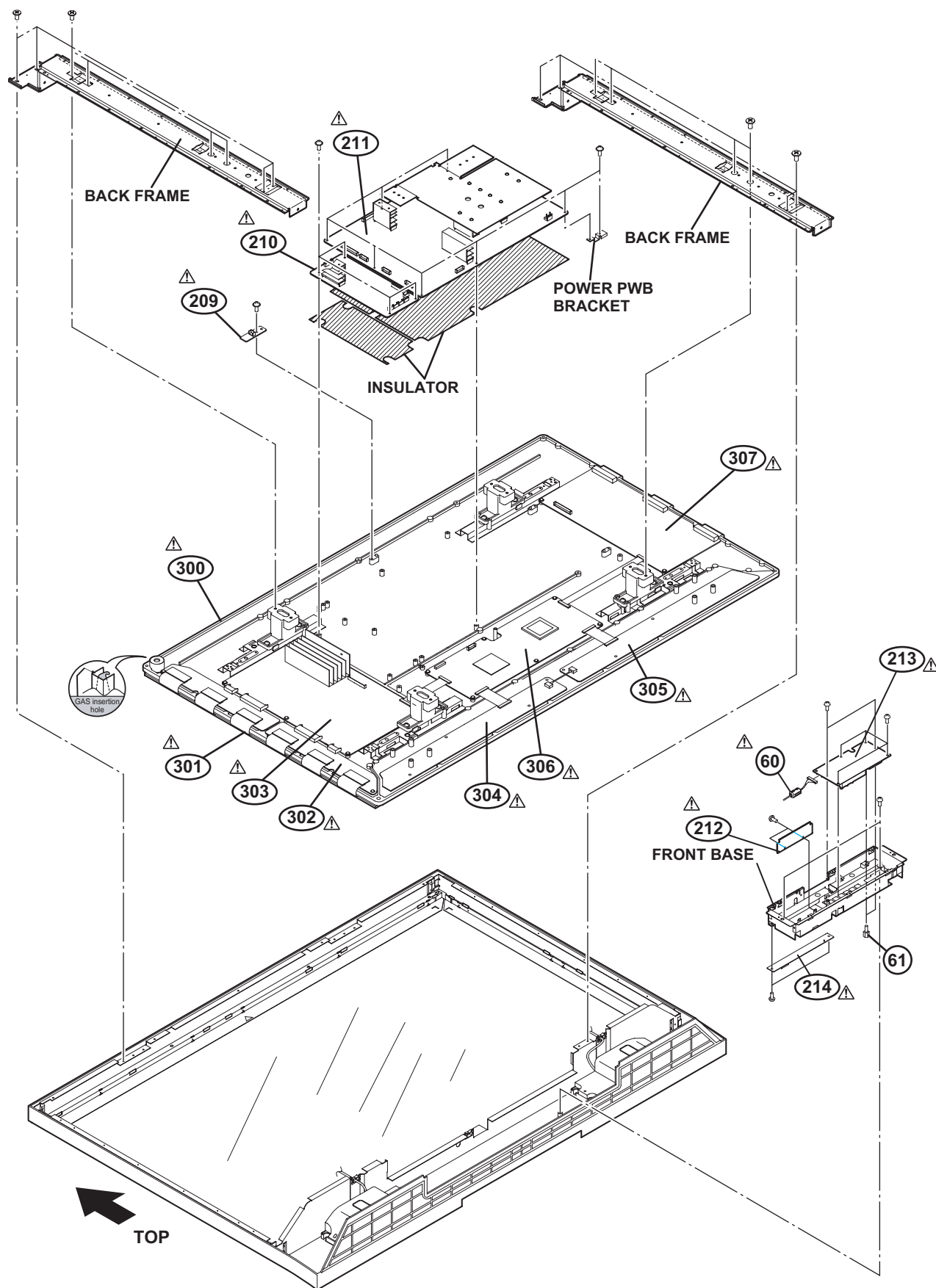
EXPLODED VIEW - 2



EXPLODED VIEW PARTS LIST - 3

△ Ref.No.	Part No.	Part Name	Description	Local
△ 60	QQR0491-001	FERRITE CORE		
61	QNB0036-001	HEX SCREW	(x2)	
△ 209	SFP-8511A-M2	TEMP. SENSOR PWB	Inc.FRONT CONTROL PWB/FRONT LED PWB	
△ 210	SFP-9523A-M2	SUB POWER PWB		
△ 211	SFP-9526A-M2	MAIN POWER PWB		
△ 212	SFP-8512A-M2	SD CARD PWB		
△ 213	SFP-8511A-M2	FRONT CONTROL PWB	Inc.TEMP. SENSOR PWB/FRONT LED PWB	
△ 214	SFP-8511A-M2	FRONT LED PWB	Inc.TEMP. SENSOR PWB/FRONT CONTROL PWB	
△ 300	QLE0041-001	PDP UNIT	Inc.301-307	
△ 301	LJ92-00117A	Y-BUFFER UP PWB		
△ 302	LJ92-01118A	Y-BUFFER LOW PWB		
△ 303	LJ92-01116A	Y-MAIN PWB		
△ 304	LJ92-01054A	E-BUFFER PWB		
△ 305	LJ92-01055A	F-BUFFER PWB		
△ 306	LJ92-01053A	LOGIC-MAIN PWB		
△ 307	LJ92-01115A	X-MAIN PWB		

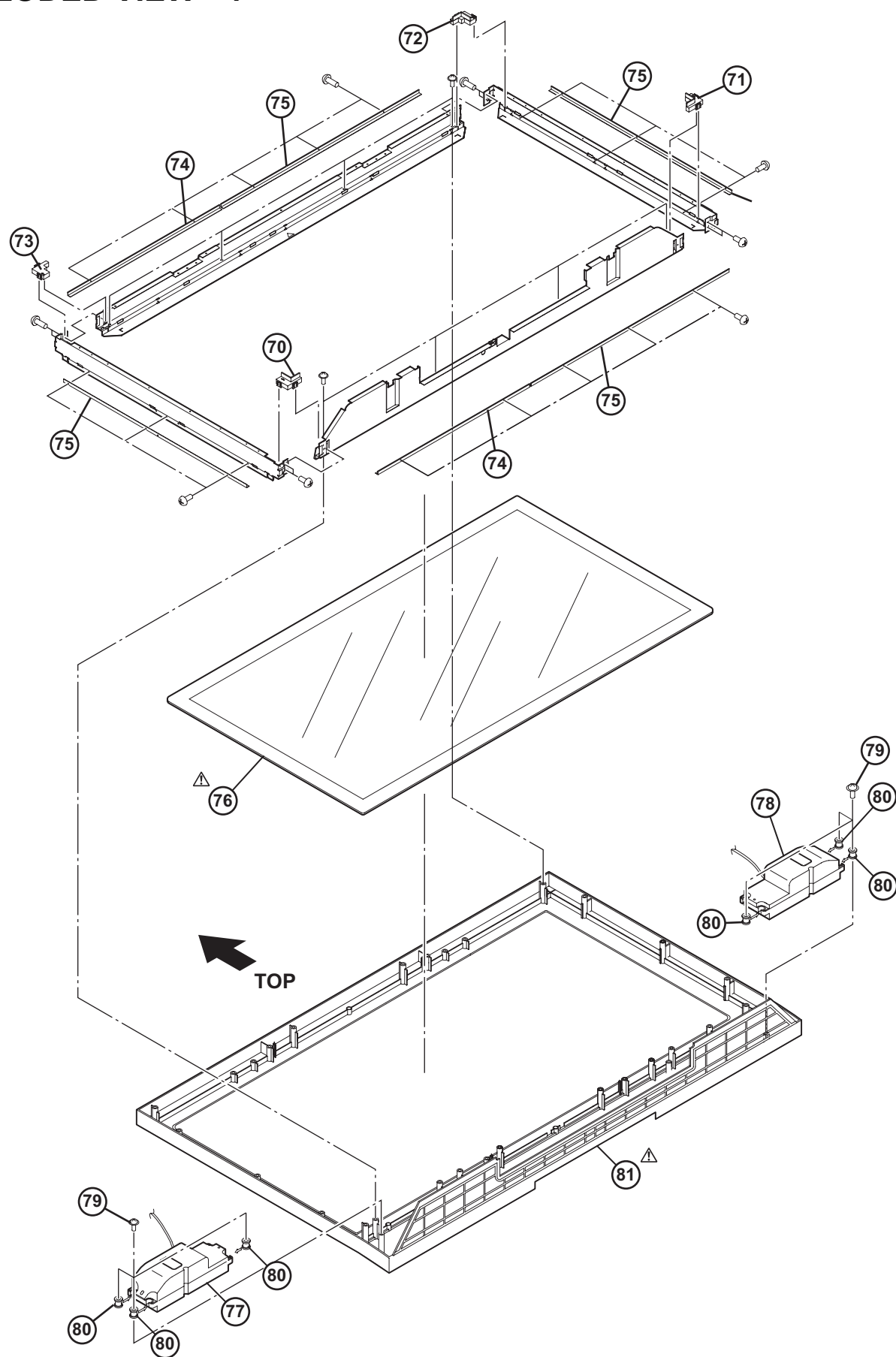
EXPLODED VIEW - 3



EXPLODED VIEW PARTS LIST - 4

△ Ref.No.	Part No.	Part Name	Description	Local
70	LC32308-001B	MOUNTING SPACER		
71	LC32308-002C	MOUNTING SPACER		
72	LC32308-003C	MOUNTING SPACER		
73	LC32308-004C	MOUNTING SPACER		
74	LC21586-001B-0K	FILTER HOLDER S	(x2)	
75	LC11938-001B-0K	FILTER HOLDER L	(x4)	
△ 76	LC32364-001A-0K	FRONT FILTER		
77	LC41913-001A-C	SPEAKER ASSY		
78	LC41913-002A-C	SPEAKER ASSY		
79	LC41458-002A	TAPPING SCREW	(x6)	
80	LC40226-002A-A	SPACER	(x6)	
△ 81	LC11958-006A-0K	FRONT PANEL ASSY		

EXPLODED VIEW - 4



PRINTED WIRING BOARD PARTS LIST

AUDIO P.W. BOARD ASS'Y (SFP-6010A-M2)

△Ref No.	Part No.	Part Name	Description	Local
IC6521	NJW1164M-W	IC		
IC6551	RC4558D-X	IC		
IC6552	RC4558D-X	IC		
IC6621	LM393DR-X	IC		
IC6661	TDA8925ST/N1	IC		
IC6671	BA12FP-X	IC		
Q6521	2SC3928A/QR/-X	TRANSISTOR		
Q6522	2SC3928A/QR/-X	TRANSISTOR		
Q6523	2SA1530A/QR/-X	TRANSISTOR		
Q6531	2SC3928A/QR/-X	TRANSISTOR		
Q6532	2SC3928A/QR/-X	TRANSISTOR		
Q6533	2SC3928A/QR/-X	TRANSISTOR		
Q6534	2SA1530A/QR/-X	TRANSISTOR		
Q6538	2SC3928A/QR/-X	TRANSISTOR		
Q6539	2SC3928A/QR/-X	TRANSISTOR		
Q6661	UN2112-X	DIGI TRANSISTOR		
Q6662	2SC3928A/QR/-X	TRANSISTOR		
Q6663	UN2212-X	DIGI TRANSISTOR		
Q6672	2SC3928A/QR/-X	TRANSISTOR		
Q6673	2SA1530A/QR/-X	TRANSISTOR		
D6501	1SS355-X	SI DIODE		
D6502	1SS355-X	SI DIODE		
D6503	1SS355-X	SI DIODE		
D6504	1SS355-X	SI DIODE		
D6601	UDZS6.2B-X	Z DIODE		
D6663	UDZS3.3B-X	Z DIODE		
D6671	UDZS20B-X	Z DIODE		
D6672	UDZS20B-X	Z DIODE		
D6673	UDZS20B-X	Z DIODE		
D6674	UDZS20B-X	Z DIODE		
D6681	1SS355-X	SI DIODE		
D6682	1SS355-X	SI DIODE		
D6683	1SS355-X	SI DIODE		
C6505	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6510	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6513	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6514	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6515	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C6516	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6517	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6518	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6521	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6522	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6523	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6525	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6527	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6528	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6529	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6530	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C6532	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C6533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6534	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6535	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6536	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6537	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6538	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6539	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6540	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6541	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6542	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C6543	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6544	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6545	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6546	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C6551	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6552	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6553	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6554	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6555	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6556	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6557	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C6559	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C6561	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C6562	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C6563	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6564	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6567	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6568	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6585	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

△Ref No.	Part No.	Part Name	Description	Local
C6586	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6601	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6602	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C6605	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C6621	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6622	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6623	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6624	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6625	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6626	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6627	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6628	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6629	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6630	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C6631	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6632	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C6661	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6662	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C6663	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6664	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6665	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6666	QETN1HM-226Z	E CAPACITOR	22uF 50V M	
C6667	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6668	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6669	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6670	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C6671	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C6672	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6673	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6674	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6675	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6676	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6677	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6678	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C6679	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C6680	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C6681	NCB31HK-561X	C CAPACITOR	560pF 50V K	
C6682	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6683	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6684	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6685	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6686	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6687	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C6692	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C6693	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R6515	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6516	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6518	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R6519	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R6520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6521	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6522	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6523	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6524	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6525	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6526	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6527	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6528	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6529	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6530	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6531	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6532	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R6533	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6535	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6536	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6537	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6538	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6539	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R6540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6541	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R6543	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R6551	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6552	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6553	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6554	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R6555	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R6556	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R6557	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R6558	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R6559	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R6560	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	Q805	2SK2090-X	MOS FET	
R6563	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	Q806	2SK2090-X	MOS FET	
R6564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q807	2SA1530A/QR/-X	TRANSISTOR	
R6567	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	Q813	2SK2090-X	MOS FET	
R6568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q814	2SK2090-X	MOS FET	
R6569	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	Q815	2SC3928A/QR/-X	TRANSISTOR	
R6577	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J				
R6578	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	D803	1SS355-X	SI DIODE	
R6579	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	D804	MA8056/M/-X	Z DIODE	
R6580	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	D903	1SS355-X	SI DIODE	
R6592	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J				
R6593	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C114	NEHL1AM-107X	E CAPACITOR	100uF 10V M
R6594	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C117	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
R6595	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6596	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C803	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
R6601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	C804	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6602	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	C809	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6603	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C810	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
R6605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	C814	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6606	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	C815	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
R6607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6617	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	C818	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6621	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	C819	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6622	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	C820	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6623	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	C821	NEHL1CM-106X	E CAPACITOR	10uF 16V M
R6624	QRJ146J-102X	UNF C RESISTOR	1kΩ 1/4W J	C823	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
R6625	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	C825	NDC31HJ-220X	C CAPACITOR	22pF 50V J
R6626	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	C826	NDC31HJ-220X	C CAPACITOR	22pF 50V J
R6627	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	C828	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6628	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	C829	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
R6629	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	C832	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R6630	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J				
R6631	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R6632	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6633	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R6635	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	R801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6661	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6662	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R803	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6663	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R804	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6664	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R806	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6665	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	R807	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6666	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	R808	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6667	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	R809	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6668	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	R810	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6669	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	R811	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6670	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R812	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R813	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6673	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R814	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6674	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R815	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6675	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R816	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6676	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R817	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6677	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R821	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6680	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R823	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6681	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R825	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6682	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R826	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6683	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R837	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6684	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R838	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6685	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R839	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6686	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R844	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6688	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R845	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R846	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R847	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6693	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R848	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
				R849	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
L6661	QQL28AK-560	COIL	56uH K	R850	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
L6662	QQL28AK-560	COIL	56uH K	R853	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
				R854	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
K6601	QQR0621-002Z	FERRITE BEADS		R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
K6602	QQR0621-002Z	FERRITE BEADS		R856	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
				R857	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
				R858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
				R859	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
				R861	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
				R863	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
				R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
				R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
				R868	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
				R869	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
				R870	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
				R871	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
				R872	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
				R876	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
				R877	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
				R878	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
				R879	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
				R880	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J

INTERFACE P.W. BOARD ASS'Y (SFP-7514A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC103	BA50BC0FP-X	IC	
IC801	BA33BC0FP-X	IC	
IC802	BA33BC0FP-X	IC	
IC805	M24C16-WMN6-X	IC	
IC807	HD6433685A80H	IC(MCU)	
IC809	S-80840CLNB-G-W	IC	
Q101	2SC3928A/QR/-X	TRANSISTOR	
Q803	2SA1530A/QR/-X	TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local
R881	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R882	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R884	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R885	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R886	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R887	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R890	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R891	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R892	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R893	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R894	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R895	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R898	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R903	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R904	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R906	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R908	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R910	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R911	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R912	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R927	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R931	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R933	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R934	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R939	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R940	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R945	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R946	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R947	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R948	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R949	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R951	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R952	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R969	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R970	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R971	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R972	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R973	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R974	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R975	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R976	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R978	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R979	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R980	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R981	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R986	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L801	NQR0351-001X	FERRITE BEADS	
L802	NQR0351-001X	FERRITE BEADS	
CN0FC	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)
K801	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K803	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K804	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K805	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
X802	NAX0613-001X	C RESONATOR	

FRONT CONTROL P.W. BOARD ASS'Y (SFP-8511A-M2)

△Ref No.	Part No.	Part Name	Description Local
D1104	UDZS10B-X	Z DIODE	
D1105	UDZS10B-X	Z DIODE	
C1013	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1104	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1106	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
C1108	NCB11AK-106X	C CAPACITOR	10uF 10V K
C1109	NCB11AK-106X	C CAPACITOR	10uF 10V K
R1002	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1104	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1105	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R1201	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1404	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1405	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local
R1421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1601	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1602	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1603	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1604	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
CN800F	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
J1101	QNZ0438-001	AV JACK	INPUT-4
J1401	QNZ0061-001	D CONNECTOR	PC INPUT
LC1401	QQR1199-001	EMI FILTER	
LC1402	QQR1199-001	EMI FILTER	
LC1403	QQR1199-001	EMI FILTER	
S1201	QSW0619-003Z	TACT SWITCH	POWER
S1601	QSW0619-003Z	TACT SWITCH	CH-
S1602	QSW0619-003Z	TACT SWITCH	INPUT
S1603	QSW0619-003Z	TACT SWITCH	CH+
S1604	QSW0619-003Z	TACT SWITCH	VOL+
S1605	QSW0619-003Z	TACT SWITCH	MENU/ASPECT
S1606	QSW0619-003Z	TACT SWITCH	VOL-

FRONT LED P.W. BOARD ASS'Y (SFP-8511A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC1742	GP1UA261XK	IR DETECT UNIT	38kHz
Q1741	UN2212-X	DIGI TRANSISTOR	
Q1742	UN2212-X	DIGI TRANSISTOR	
Q1743	UN2110-X	DIGI TRANSISTOR	
Q1744	UN2110-X	DIGI TRANSISTOR	
Q1745	UN2110-X	DIGI TRANSISTOR	
Q1746	UN2110-X	DIGI TRANSISTOR	
Q1747	UN2110-X	DIGI TRANSISTOR	
Q1748	UN2110-X	DIGI TRANSISTOR	
Q1749	UN2212-X	DIGI TRANSISTOR	
D1745	HLMP-NS30-J0000	LED	POWER
D1746	LE22440	LED	PROGRAM
C1742	NEHL1CM-476X	E CAPACITOR	47uF 16V M
R1741	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1742	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1743	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1744	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R1745	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1746	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J

TEMP.SENSOR P.W. BOARD ASS'Y (SFP-8511A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC8101	TCN75-5.0MOA-X	IC	
C8101	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
R8101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R8102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R8103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J

SD CARD P.W. BOARD ASS'Y (SFP-8512A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC1001	W81386D-G	IC	
C1001	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C1002	NCB31EK-103X	C CAPACITOR	0.01uF 25V K
C1003	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C1004	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C1005	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1006	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1007	NCB31EK-103X	C CAPACITOR	0.01uF 25V K
C1008	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C1009	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C1010	NDC31HJ-270X	C CAPACITOR	27pF 50V J
C1011	NCB31EK-103X	C CAPACITOR	0.01uF 25V K

△Ref No.	Part No.	Part Name	Description Local
C1012	NEHL1CM-106X	E CAPACITOR	10uF 16V M
R1001	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1003	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1004	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1008	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1012	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1014	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1027	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
RA1001	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4
RA1002	NRZ0040-473X	NET RESISTOR	47kΩ 1/16W J x4
L1001	NQR0506-001X	EMI FILTER	
LC1001	NQR0415-001X	EMI FILTER	1uF 10V M
X1001	NAX0644-001X	CRYSTAL	6MHz

SUB POWER P.W. BOARD ASS'Y (SFP-9523A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC9001	STR-W6765-F5	IC	
IC9051	UTCTL431-T	IC	
Q9371	DTC124ESA-T	DIGI TRANSISTOR	
Q9372	DTC124ESA-T	DIGI TRANSISTOR	
Q9373	2SD1266A/QP/	POW TRANSISTOR	
D9001	MTZJ33B-T2	Z DIODE	
D9004	FR105GT-T3	SI DIODE	
D9005	1SS133-T2	SI DIODE	
D9006	FR105GT-T3	SI DIODE	
D9008	SARS01-T2	SI DIODE	
D9009	SARS01-T2	SI DIODE	
D9011	1SS133-T2	SI DIODE	
D9051	RU4YX-F1	SI DIODE	
D9053	FMX-G12S	SI DIODE	
D9054	FR105GT-T3	SI DIODE	
D9055	MTZJ33B-T2	Z DIODE	
D9071	RU4YX-F1	SI DIODE	
D9371	1N4002G-T2	SI DIODE	
D9372	MTZJ9.1A-T2	Z DIODE	
D9373	1SS133-T2	SI DIODE	
D9376	MTZJ2.4B-T2	Z DIODE	
D9377	QRE141J-0R0Y	C RESISTOR	0Ω 1/4W J
C9001	QEZO674-476	E CAPACITOR	47uF 450V M
C9002	QFP32JK-332	PP CAPACITOR	3300pF 630V K
C9003	QCZ0340-471	C CAPACITOR	470pF 2kV K
C9004	QCS31HJ-471Z	C CAPACITOR	470pF 50V J
C9006	QCB31HK-562Z	C CAPACITOR	5600pF 50V K
C9008	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J
C9010	QEHR1HM-335Z	E CAPACITOR	3.3uF 50V M
C9011	QEHR1HM-336Z	E CAPACITOR	33uF 50V M
C9051	QECQ1EM-228	E CAPACITOR	2200uF 25V M
C9054	QECQ1EM-228	E CAPACITOR	2200uF 25V M
C9055	QEHR2AM-106Z	E CAPACITOR	10uF 100V M
C9057	QFLC1HJ-104Z	M CAPACITOR	0.1uF 50V J
C9060	QECQ1EM-228	E CAPACITOR	2200uF 25V M
C9072	QECQ1EM-228	E CAPACITOR	2200uF 25V M
C9073	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
C9371	QEHR1HM-105Z	E CAPACITOR	1uF 50V M
C9372	QEHR1CM-227Z	E CAPACITOR	220uF 16V M
△C9901	QCZ9071-102	C CAPACITOR	1000pF AC400V M
△C9902	QCZ9071-102	C CAPACITOR	1000pF AC400V M
R9001	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J
R9002	QRX01GJ-R39	MF RESISTOR	0.39Ω 1W J
R9004	QRL039J-563	OMF RESISTOR	56kΩ 3W J
△R9005	QRL039J-563	OMF RESISTOR	56kΩ 3W J
R9006	QRE121J-122Y	C RESISTOR	1.2kΩ 1/2W J
R9008	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J
R9009	QRL039J-220	OMF RESISTOR	22Ω 3W J
△R9010	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J
R9011	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J
R9012	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R9050	QRG01GJ-821	OMF RESISTOR	820Ω 1W J
R9051	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R9053	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J
R9055	QRA14CF-1802Y	CMF RESISTOR	18kΩ 1/4W F
R9057	QRA14CF-3301Y	CMF RESISTOR	3.3kΩ 1/4W F

△Ref No.	Part No.	Part Name	Description Local
R9058	QRE141J-223Y	C RESISTOR	22kΩ 1/4W J
R9059	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J
R9060	QRL029J-152	OMF RESISTOR	1.5kΩ 2W J
R9071	QRG01GJ-821	OMF RESISTOR	820Ω 1W J
R9371	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J
R9374	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R9375	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J
L9051	QQL26AK-220Z	CHOKE COIL	22uH K
△T9001	QQS0279-001	SW TRANSF	
△CP9001	QMFZ043-5R0Z-J1	FUSE	5A AC250V
△CP9071	ICP-N70-T	IC PROTECTOR	2.5A
△CP9072	ICP-N70-T	IC PROTECTOR	2.5A
△CP9073	ICP-N50-Y	IC PROTECTOR	2.0A
△PC9001	PS2581AL1/QW/	PHOTO COUPLER	

REGULATOR P.W. BOARD ASS'Y (SFP-9524A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC9401	MP1583DN-X	IC	
IC9421	MP1580HS-X	IC	
IC9621	MP1580HS-X	IC	
IC9801	M62320FP-X	IC	
Q9211	2SB1188/QR/-W	TRANSISTOR	
Q9212	UN2213-X	DIGI TRANSISTOR	
Q9822	2SC3928A/QR/-X	TRANSISTOR	
D9401	EC30HA03L-X	SB DIODE	
D9403	PTZ11B-X	Z DIODE	
D9421	EC30HA03L-X	SB DIODE	
D9423	PTZ3.9B-X	Z DIODE	
D9424	1SS355-X	SI DIODE	
D9621	EC30HA03L-X	SB DIODE	
D9622	PTZ6.8B-X	Z DIODE	
D9822	UDZS5.1B-X	Z DIODE	
D9823	1SS355-X	SI DIODE	
C9231	NEHM1EM-336X	E CAPACITOR	33uF 25V M
C9402	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9404	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9405	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9407	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9408	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9422	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9424	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9425	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9427	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9428	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9431	NCB31HK-822X	C CAPACITOR	8200pF 50V K
C9622	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C9624	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C9625	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K
C9627	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9801	NCB11CK-105X	C CAPACITOR	1uF 16V K
C9802	NDC21HJ-121X	C CAPACITOR	120pF 50V J
C9803	NDC21HJ-121X	C CAPACITOR	120pF 50V J
C9821	NCB11CK-105X	C CAPACITOR	1uF 16V K
R9218	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9219	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R9220	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9402	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9403	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R9404	NRSA63D-104X	MG RESISTOR	100kΩ 1/16W D
R9405	NRSA63D-184X	MG RESISTOR	180kΩ 1/16W D
R9406	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9407	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9408	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9421	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9423	NRSA63J-824X	MG RESISTOR	820kΩ 1/16W J
R9424	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D
R9425	NRSA63J-204X	MG RESISTOR	200kΩ 1/16W J
R9426	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9427	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9428	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9429	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9621	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9622	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9623	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R9624	NRSA63D-333X	MG RESISTOR	33kΩ 1/16W D

△Ref No.	Part No.	Part Name	Description Local
R9625	NRSA63J-824X	MG RESISTOR	820kΩ 1/16W J
R9626	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9627	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9628	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9629	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J
R9805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9806	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9807	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9824	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R9825	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R9826	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R9827	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
L9231	NQL52EM-220X	COIL	22uH M
L9402	NQL71EM-270X	COIL	27uH M
L9422	NQL71EM-150X	COIL	15uH M
L9621	NQL71EM-150X	COIL	15uH M

LINE FILTER P.W. BOARD ASS'Y (SFP-9525A-M2)

△Ref No.	Part No.	Part Name	Description Local
△C9901	QFZ9081-225	MPP CAPACITOR	2.2uF 275V M
△C9904	QFZ9075-224	MPP CAPACITOR	0.22uF AC275V M
△C9912	QCZ9071-102	C CAPACITOR	1000pF AC400V M
△C9913	QCZ9071-102	C CAPACITOR	1000pF AC400V M
△R9902	QRZ9046-105Z	C RESISTOR	1MΩ 1/2W K
CN90E1	QUB03K-10AAHM-E	SIN TWIST WIRE	
CN90PW	WJK0050-009A	E-SI C WIRE C-C	
△F9901	QMFZ041-100-J1	FUSE	10A 250V
△J9901	QNC0103-001	AC INLET(Noise)	
△LF9901	QQR1281-002	LINE FILTER	
△LF9902	QQR1281-002	LINE FILTER	
△LF9903	QQR1376-001	LINE FILTER	
△LF9904	QQR1376-001	LINE FILTER	
△VA9901	ERZV10V621CS	ZNR	

MAIN POWER P.W. BOARD ASS'Y (SFP-9526A-M2)

△Ref No.	Part No.	Part Name	Description Local
△IC9001	QAL0425-001	POWER MODULE	
IC9002	FA5502M-W	IC	
IC9201	STR-W6765-F5	IC	
IC9202	SI-8050S	IC	
IC9204	UTCTL431-T	IC	
IC9401	F9214L-F226	IC	
IC9403	UTCTL431-T	IC	
IC9601	STR-G6452-F3	IC	
IC9602	UTCTL431-T	IC	
IC9611	STR-G6452-F3	IC	
IC9612	UTCTL431-T	IC	
IC9621	STR-G6452-F3	IC	
IC9622	UTCTL431-T	IC	
IC9632	BD9300F-X	IC	
IC9633	PQ1CG21H2FZ	IC	
Q9002	2SC2411K/QR/-X	TRANSISTOR	
Q9003	2SC3928A/QR/-X	TRANSISTOR	
Q9004	2SK2698-LB	POWER MOS FET	
Q9005	2SK2698-LB	POWER MOS FET	
Q9006	2SC3074/OY/-X	TRANSISTOR	
Q9007	2SA1244/OY/-X	TRANSISTOR	
Q9008	2SC3928A/QR/-X	TRANSISTOR	
Q9201	2SD1266A/QP/-	POW TRANSISTOR	
Q9207	2SC3928A/QR/-X	TRANSISTOR	
Q9213	2SA1530A/QR/-X	TRANSISTOR	
Q9214	2SC3928A/QR/-X	TRANSISTOR	
Q9215	2SC3928A/QR/-X	TRANSISTOR	
Q9401	2SK3264-01MR-F1	POWER MOS FET	
Q9402	2SC3928A/QR/-X	TRANSISTOR	
Q9405	2SC3928A/QR/-X	TRANSISTOR	
Q9408	2SC3928A/QR/-X	TRANSISTOR	
Q9409	2SC3928A/QR/-X	TRANSISTOR	
Q9411	UN2213-X	DIGI TRANSISTOR	
Q9412	UN2213-X	DIGI TRANSISTOR	
Q9671	2SC3928A/QR/-X	TRANSISTOR	
Q9672	UN2213-X	DIGI TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local
Q9673	2SB1188/QR/-W	TRANSISTOR	
Q9674	UN2213-X	DIGI TRANSISTOR	
Q9675	UN2213-X	DIGI TRANSISTOR	
Q9676	2SC5734K/QR/-X	TRANSISTOR	
Q9677	RSS075P03-X	MOS FET	
Q9678	UN2213-X	DIGI TRANSISTOR	
D9001	S1WB/A/60-4101	BRIDGE DIODE	
D9002	D25XB60	BRIDGE DIODE	
D9006	YG963S6R	SI DIODE	
D9007	1SS355-X	SI DIODE	
D9007	MA111-X	SI DIODE	
D9008	1SS355-X	SI DIODE	
D9008	MA111-X	SI DIODE	
D9009	S1WB/A/60-X	BRIDGE DIODE	
D9010	D1FS4-X	SB DIODE	
D9011	D1FS4-X	SB DIODE	
D9012	YG963S6R	SI DIODE	
D9013	UDZS6.8B-X	Z DIODE	
D9013	MA8068/M/-X	Z DIODE	
D9014	UDZS11B-X	Z DIODE	
D9014	MA8110/H/-X	Z DIODE	
D9015	UDZS5.1B-X	Z DIODE	
D9015	MA8051/M/-X	Z DIODE	
D9201	RD33E/B1/-T2	Z DIODE	
D9202	1SS355-X	SI DIODE	
D9202	MA111-X	SI DIODE	
D9203	FR105GT-T3	SI DIODE	
D9204	UDZS12B-X	Z DIODE	
D9204	MA8120-X	Z DIODE	
D9205	D1FL20U-X	SI DIODE	
D9206	UDZS24B-X	Z DIODE	
D9206	MA8240-X	Z DIODE	
D9207	FR105GT-T3	SI DIODE	
D9208	SARS01-T2	SI DIODE	
D9209	SARS01-T2	SI DIODE	
D9210	FR105GT-T3	SI DIODE	
D9211	FML-G12S	SI DIODE	
D9212	RU3AM-LFC4	SI DIODE	
D9213	FML-G14S	SI DIODE	
D9214	1SS355-X	SI DIODE	
D9214	MA111-X	SI DIODE	
D9216	1SS355-X	SI DIODE	
D9216	MA111-X	SI DIODE	
D9218	EC30HA03L-X	SB DIODE	
D9219	EC30HA03L-X	SB DIODE	
D9220	PTZ6.8B-X	Z DIODE	
D9221	RB501V-40-X	SB DIODE	
D9222	RB501V-40-X	SB DIODE	
D9223	UDZS33B-X	Z DIODE	
D9223	MA8330/M/-X	Z DIODE	
D9224	MA8120-X	Z DIODE	
D9225	MA8120-X	Z DIODE	
D9229	UDZS4.7B-X	Z DIODE	
D9229	MA8047-X	Z DIODE	
D9230	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D9251	UDZS9.1B-X	Z DIODE	
D9251	MA8091/L/-X	Z DIODE	
D9252	MA8024-X	Z DIODE	
D9252	MA8024-X	Z DIODE	
D9401	SARS01-T2	SI DIODE	
D9402	EG01C-T2	SI DIODE	
D9403	EC30HA03L-X	SB DIODE	
D9404	FMG-G2CS	SI DIODE	
D9405	1SS355-X	SI DIODE	
D9405	MA111-X	SI DIODE	
D9406	EG01C-T2	SI DIODE	
D9407	EG01C-T2	SI DIODE	
D9408	D1FL20U-X	SI DIODE	
D9409	FMG-G2CS	SI DIODE	
D9410	FMG-G2CS	SI DIODE	
D9413	UDZS33B-X	Z DIODE	
D9413	MA8330/M/-X	Z DIODE	
D9414	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D9415	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D9416	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
D9420	PTZ3.9B-X	Z DIODE	
D9421	1SS355-X	SI DIODE	
D9421	MA111-X	SI DIODE	
D9422	UDZS8.2B-X	Z DIODE	
D9422	MA8082/M/-X	Z DIODE	
D9423	EG01C-T2	SI DIODE	
D9424	EG01C-T2	SI DIODE	
D9425	PTZ3.9B-X	Z DIODE	
D9602	D1FL20U-X	SI DIODE	
D9603	D1FL20U-X	SI DIODE	
D9604	1SS355-X	SI DIODE	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
D9604	MA111-X	SI DIODE		C9601	QCZ0340-471	C CAPACITOR	470pF 2kV K
D9605	ES1F-LFG2	SI DIODE		C9602	NCB31HK-152X	C CAPACITOR	1500pF 50V K
D9607	RD33E/B1/-T2	Z DIODE		C9603	QEHR1HM-226Z	E CAPACITOR	22uF 50V M
D9612	D1FL20U-X	SI DIODE		C9604	NDC31HJ-561X	C CAPACITOR	560pF 50V J
D9613	D1FL20U-X	SI DIODE		C9606	QEHR2EM-106Z	E CAPACITOR	10uF 250V M
D9614	1SS355-X	SI DIODE		C9607	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M
D9614	MA111-X	SI DIODE		C9608	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D9615	FR107GT-T3	SI DIODE		C9611	QCZ0340-471	C CAPACITOR	470pF 2kV K
D9620	D1FL20U-X	SI DIODE		C9612	NDC31HJ-471X	C CAPACITOR	470pF 50V J
D9622	D1FL20U-X	SI DIODE		C9613	QEHR1HM-226Z	E CAPACITOR	22uF 50V M
D9623	D1FL20U-X	SI DIODE		C9614	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9624	1SS355-X	SI DIODE		C9615	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D9624	MA111-X	SI DIODE		C9616	QEHR2EM-226Z	E CAPACITOR	22uF 250V M
D9625	FR105GT-T3	SI DIODE		C9620	QEHR1HM-226Z	E CAPACITOR	22uF 50V M
D9632	RB085T-40	SB DIODE		C9621	QCZ0340-471	C CAPACITOR	470pF 2kV K
D9633	1SS355-X	SI DIODE		C9622	NDC31HJ-471X	C CAPACITOR	470pF 50V J
D9634	PTZ3.9B-X	Z DIODE		C9623	QEHR1HM-226Z	E CAPACITOR	22uF 50V M
D9635	1SS355-X	SI DIODE		C9624	NCB31HK-102X	C CAPACITOR	1000pF 50V K
D9635	MA111-X	SI DIODE		C9625	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
D9636	1SS355-X	SI DIODE		C9626	QEHR2DM-226Z	E CAPACITOR	22uF 200V M
D9636	MA111-X	SI DIODE		C9627	NCB31HK-222X	C CAPACITOR	2200pF 50V K
D9637	MTZJ27B-T2	Z DIODE		C9628	NCB31HK-222X	C CAPACITOR	2200pF 50V K
D9671	EC30HA03L-X	SB DIODE		C9630	NCB31HK-222X	C CAPACITOR	2200pF 50V K
D9672	EC30HA03L-X	SB DIODE		C9633	QECR1EM-687Z	E CAPACITOR	680uF 25V M
D9674	1SS355-X	SI DIODE		C9634	QCZ0396-226Z	C CAPACITOR	22uF
D9675	D1FS4-X	SB DIODE		C9635	QEZ0256-128	E CAPACITOR	1200uF 10V M
D9676	D1FS4-X	SB DIODE		C9671	QECR1VM-227Z	E CAPACITOR	220uF 35V M
D9677	RB501V-40-X	SB DIODE		C9673	QECR1EM-687Z	E CAPACITOR	680uF 25V M
D9678	UDZS5.1B-X	Z DIODE		C9676	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M
D9678	MA8051/M-X	Z DIODE		C9677	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
D9679	1SS355-X	SI DIODE		C9679	NCB31HK-332X	C CAPACITOR	3300pF 50V K
D9679	MA111-X	SI DIODE		C9680	NDC31HJ-471X	C CAPACITOR	470pF 50V J
△C9001	QCZ9071-102	C CAPACITOR	1000pF AC400V M	C9681	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
△C9002	QCZ9079-102	C CAPACITOR	1000pF AC250V M	C9682	NCB31CK-105X	C CAPACITOR	1uF 16V K
C9003	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	C9683	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C9004	QECR1CM-477Z	E CAPACITOR	470uF 16V M	C9684	QCZ0397-106Z	C CAPACITOR	10uF
C9005	QEZ0709-106	E CAPACITOR	10uF 450V M	C9685	QEHR1HM-476Z	E CAPACITOR	47uF 50V M
△C9014	QFZ9072-105	MM CAPACITOR	1uF AC250V K	△R9001	QRZ0057-825	C RESISTOR	8.2MΩ 1W J
△C9019	QFZ9072-474	MM CAPACITOR	0.47uF AC250V K	R9003	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
C9020	QFZ0128-474	MPP CAPACITOR	0.47uF DC400V H	R9004	QRX01GJ-R82	MF RESISTOR	0.82Ω 1W J
C9021	QEZ0601-187	E CAPACITOR	180uF 450V M	R9007	QRE121J-151Y	C RESISTOR	150Ω 1/2W J
C9022	QEZ0601-187	E CAPACITOR	180uF 450V M	R9008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9023	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	R9009	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9024	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R9010	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9025	NDC31HJ-471X	C CAPACITOR	470pF 50V J	R9011	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C9027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	△R9012	QRZ9055-4R7	FUSI RESISTOR	4.7Ω 2W K
C9028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R9013	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K
C9029	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	R9015	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
C9030	QEHR1VM-107Z	E CAPACITOR	100uF 35V M	R9016	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
C9031	NCB31CK-154X	C CAPACITOR	0.15uF 16V K	△R9017	QRZ9009-220	FUSI RESISTOR	22Ω 1/2W J
C9032	NDC31HJ-680X	C CAPACITOR	68pF 50V J	△R9018	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
C9033	NDC31HJ-471X	C CAPACITOR	470pF 50V J	R9019	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9034	NCB31HK-152X	C CAPACITOR	1500pF 50V K	R9020	QRE121J-331Y	C RESISTOR	330Ω 1/2W J
C9201	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	△R9021	QRZ9017-4R7	FUSI RESISTOR	4.7Ω 1/4W J
C9202	NDC31HJ-471X	C CAPACITOR	470pF 50V J	R9022	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9203	QCZ0340-471	C CAPACITOR	470pF 2kV K	R9024	QRM059J-R15	MP RESISTOR	0.15Ω 5W J
C9204	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	R9025	QRM059J-R15	MP RESISTOR	0.15Ω 5W J
C9205	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R9026	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J
C9207	QFP32JK-332	PP CAPACITOR	3300pF 630V K	R9027	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J
C9208	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9028	QRE121J-333Y	C RESISTOR	33kΩ 1/2W J
C9210	QEHR1VM-476Z	E CAPACITOR	47uF 35V M	R9029	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F
C9213	QEHQ2AM-477	E CAPACITOR	470uF 100V M	R9030	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F
C9214	QEHQ2AM-477	E CAPACITOR	470uF 100V M	R9031	NRS144F-224X	MG RESISTOR	220kΩ 1/4W F
C9215	QECQ1EM-228	E CAPACITOR	2200uF 25V M	R9032	NRS144F-224X	MG RESISTOR	220kΩ 1/4W F
C9216	QEHR1VM-477Z	E CAPACITOR	470uF 35V M	R9033	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F
C9217	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	R9034	NRS144F-124X	MG RESISTOR	120kΩ 1/4W F
C9220	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R9035	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J
C9221	QECR1EM-687Z	E CAPACITOR	680uF 25V M	R9036	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9223	QEZ0256-128	E CAPACITOR	1200uF 10V M	R9037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9227	QEHR1HM-107Z	E CAPACITOR	100uF 50V M	R9038	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9231	QEHR1HM-226Z	E CAPACITOR	22uF 50V M	R9040	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C9232	QEHR1HM-475Z	E CAPACITOR	4.7uF 50V M	R9045	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
C9401	QCZ0340-152	C CAPACITOR	1500pF 2kV K	R9046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9402	QFZ0219-105	MPP CAPACITOR	1uF 400V J	R9047	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
C9403	NDC31HJ-150X	C CAPACITOR	15pF 50V J	R9048	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C9404	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R9049	QRK126J-820X	UNF C RESISTOR	82Ω 1/2W J
C9405	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9051	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C9406	QCZ0340-471	C CAPACITOR	470pF 2kV K	R9052	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C9408	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R9053	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
C9410	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R9054	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C9411	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	R9056	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
C9412	QECR1EM-476Z	E CAPACITOR	47uF 25V M	R9057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9414	QEZ0612-827	E CAPACITOR	820uF 250V M	R9060	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D
C9415	QEZ0612-827	E CAPACITOR	820uF 250V M	R9061	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω 7W K
C9416	QFP32GJ-393	PP CAPACITOR	0.039uF 400V J	R9062	QRE121J-100Y	C RESISTOR	10Ω 1/2W J
C9417	NCB31HK-821X	C CAPACITOR	820pF 50V K	R9063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R9065	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R9619	QRK126J-562X	UNF C RESISTOR	5.6kΩ 1/2W J
R9066	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R9620	QRL029J-823	OMF RESISTOR	82kΩ 2W J
R9201	QRL039J-563	OMF RESISTOR	56kΩ 3W J	R9621	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R9202	QRL039J-563	OMF RESISTOR	56kΩ 3W J	R9623	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
R9204	QRT029J-R27	MF RESISTOR	0.27Ω 2W J	△R9624	QRZ9017-100	FUSI RESISTOR	10Ω 1/4W J
R9205	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	R9625	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J
R9206	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J	R9626	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R9207	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R9627	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9208	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	R9628	QVP0087-202Z	TRIM RESISTOR	2kΩ 0.3W N
R9209	QRL039J-220	OMF RESISTOR	22Ω 3W J	R9629	QRK126J-562X	UNF C RESISTOR	5.6kΩ 1/2W J
△R9210	QRZ9009-100	FUSI RESISTOR	10Ω 1/2W J	R9632	NRSA63D-333X	MG RESISTOR	33kΩ 1/16W D
R9211	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R9634	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D
R9212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9635	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D
R9213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9636	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R9214	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R9637	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J
R9216	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R9638	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J
R9217	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	R9639	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9218	QRE121J-823Y	C RESISTOR	82kΩ 1/2W J	R9640	QVP0087-102Z	TRIM RESISTOR	1kΩ 0.3W N
R9219	QVP0087-202Z	TRIM RESISTOR	2kΩ 0.3W N	R9642	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R9220	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	R9643	NRS12BJ-0R0W	MG RESISTOR	0Ω 1/2W J
R9223	QRL029J-822	OMF RESISTOR	8.2kΩ 2W J	R9644	NRS12BJ-823W	MG RESISTOR	82kΩ 1/2W J
R9225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R9645	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9239	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R9646	QVP0087-202Z	TRIM RESISTOR	2kΩ 0.3W N
R9240	QRE121J-273Y	C RESISTOR	27kΩ 1/2W J	R9648	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R9241	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	△R9649	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J
R9243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	△R9650	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J
R9251	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	△R9651	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J
R9252	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R9671	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R9259	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R9672	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D
R9260	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R9674	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R9262	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	R9676	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R9263	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R9677	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9264	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R9678	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9266	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R9679	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9267	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R9680	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9268	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R9681	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9269	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R9682	NRSA63D-122X	MG RESISTOR	1.2kΩ 1/16W D
R9270	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R9683	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R9271	QRL039J-682	OMF RESISTOR	6.8kΩ 3W J	R9687	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R9401	QRE121J-824Y	C RESISTOR	820kΩ 1/2W J	R9688	NRSA63J-303X	MG RESISTOR	30kΩ 1/16W J
R9402	QRL039J-220	OMF RESISTOR	22Ω 3W J	R9689	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J
R9403	QRL039J-563	OMF RESISTOR	56kΩ 3W J	R9690	NRSA63J-203X	MG RESISTOR	20kΩ 1/16W J
R9404	QRM059J-R22	MP RESISTOR	0.22Ω 5W J	R9691	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9405	QRT029J-2R2	MF RESISTOR	2.2Ω 2W J	R9692	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9406	QRE121J-120Y	C RESISTOR	12Ω 1/2W J	R9693	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9407	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R9694	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J
R9408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L9001	QQL26AM-4R7Z	PEAKING COIL	4.7uH M
R9409	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J	L9002	QQR1440-001	CHOKE COIL	
R9411	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L9201	QQR1432-001	CHOKE COIL	
R9413	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L9401	QQL2026-5R0	COIL	5uH ±7%
R9414	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	L9631	QQR1432-001	CHOKE COIL	
△R9415	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J	L9671	QQR1432-001	CHOKE COIL	
R9416	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	T9201	QQS0349-001	SW TRANSF	
R9417	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	△T9401	QQS0348-001	SW TRANSF	
R9418	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	T9402	QQS0252-001	SW TRANSF	
R9420	NRS12BJ-823W	MG RESISTOR	82kΩ 1/2W J	△T9601	QQS0350-001	SW TRANSF	
R9421	NRS12BJ-562W	MG RESISTOR	5.6kΩ 1/2W J	△T9602	QQS0251-001	SW TRANSF	
R9422	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	△T9603	QQS0351-001	SW TRANSF	
R9423	NRS12BJ-823W	MG RESISTOR	82kΩ 1/2W J	△CP9001	QMFZ043-5R0Z-J1	FUSE	5A AC250V
R9424	QVP0087-501Z	TRIM RESISTOR	500Ω 0.3W N	△CP9002	QMFZ052-2R0-E	FUSE	2A AC250V
R9425	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	△CP9202	ICP-N70-T	IC PROTECTOR	2.5A
R9435	QRE121J-124Y	C RESISTOR	120kΩ 1/2W J	△CP9601	QMFZ052-2R0-E	FUSE	2A AC250V
R9436	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	△LF9001	QQR1281-002	LINE FILTER	
R9450	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	△PC9001	PS2581AL1/QW/	PHOTO COUPLER	
R9451	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	△PC9201	PS2581AL1/QW/	PHOTO COUPLER	
R9452	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	△PC9202	PS2581AL1/QW/	PHOTO COUPLER	
R9453	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	△PC9203	PS2581AL1/QW/	PHOTO COUPLER	
R9454	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	△PC9401	PS2581AL1/QW/	PHOTO COUPLER	
R9455	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	△PC9402	PS2581AL1/QW/	PHOTO COUPLER	
R9456	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	△PC9601	PC817X7	IC (PHOTO COUPL)	
R9457	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	△PC9611	PC817X7	IC (PHOTO COUPL)	
R9601	QRX01GJ-1R8	MF RESISTOR	1.8Ω 1W J	△PC9621	PC817X7	IC (PHOTO COUPL)	
R9603	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	△RY9002	QSK0118-001	RELAY	
△R9604	QRZ9017-100	FUSI RESISTOR	10Ω 1/4W J	△RY9001	QSK0090-001	RELAY	
R9605	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J	△TH9001	QAD0125-471	P THERMISTOR	470Ω 16W
R9606	QRL029J-683	OMF RESISTOR	68kΩ 2W J				
R9607	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R9608	NRS12BJ-224W	MG RESISTOR	220kΩ 1/2W J				
R9609	QRK126J-562X	UNF C RESISTOR	5.6kΩ 1/2W J				
R9610	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R9611	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J				
R9613	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J				
△R9614	QRZ9017-100	FUSI RESISTOR	10Ω 1/4W J				
R9615	QRE121J-222Y	C RESISTOR	2.2kΩ 1/2W J				
R9616	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J				
R9617	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R9618	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J				

ANALOG SIGNAL P.W. BOARD ASS'Y (SFP0A508A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC201	TA1370FG-X	IC	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
IC202	SN74AHC1G08V-X	IC		C501	NEHL1CM-476X	E CAPACITOR	47uF 16V M
IC203	CD74HC4053PW-X	IC		C502	NEHL1CM-476X	E CAPACITOR	47uF 16V M
IC301	AN15852A	IC		C503	NENA1EM-106X	BP E CAPACITOR	10uF 25V M
IC501	CXA2069Q	IC		C505	NENA1EM-106X	BP E CAPACITOR	10uF 25V M
IC502	MM1510XN-X	IC		C506	NDC31HJ-270X	C CAPACITOR	27pF 50V J
IC503	MM1510XN-X	IC		C515	NCB11CK-105X	C CAPACITOR	1uF 16V K
IC504	MM1510XN-X	IC		C516	NEHL1CM-106X	E CAPACITOR	10uF 16V M
IC604	RC4558D-X	IC		C517	NEHL1AM-107X	E CAPACITOR	100uF 10V M
IC711	CXA1875AM-X	IC		C519	NEHL1HM-106X	E CAPACITOR	10uF 50V M
IC801	TB1274BFG	IC		C520	NCB11CK-105X	C CAPACITOR	1uF 16V K
IC802	TC90A69AF-X	IC		C521	NEHL1CM-106X	E CAPACITOR	10uF 16V M
IC902	TA48M033F-X	IC		C522	NEHL1AM-107X	E CAPACITOR	100uF 10V M
Q307	2SA1530A/QR/-X	TRANSISTOR		C523	NEHL1CM-106X	E CAPACITOR	10uF 16V M
Q402	2SK1374-X	MOS FET		C524	NCB11CK-105X	C CAPACITOR	1uF 16V K
Q403	2SK1374-X	MOS FET		C525	NEHL1CM-106X	E CAPACITOR	10uF 16V M
Q404	2SK1374-X	MOS FET		C526	NEHL1AM-107X	E CAPACITOR	100uF 10V M
Q405	2SK1374-X	MOS FET		C527	NEHL1CM-106X	E CAPACITOR	10uF 16V M
Q507	2SA1530A/QR/-X	TRANSISTOR		C601	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M
Q508	2SA1530A/QR/-X	TRANSISTOR		C602	NEN51HM-474X	BP E CAPACITOR	0.47uF 50V M
Q509	2SA1530A/QR/-X	TRANSISTOR		C661	NEHL1CM-476X	E CAPACITOR	47uF 16V M
Q801	2SA1530A/QR/-X	TRANSISTOR		C663	NEHL1CM-106X	E CAPACITOR	10uF 16V M
Q802	2SA1530A/QR/-X	TRANSISTOR		C664	NEHL1CM-476X	E CAPACITOR	47uF 16V M
Q810	2SA1530A/QR/-X	TRANSISTOR		C666	NEHL1CM-106X	E CAPACITOR	10uF 16V M
Q851	2SA1530A/QR/-X	TRANSISTOR		C711	NEHL1CM-106X	E CAPACITOR	10uF 16V M
Q853	2SC3928A/QR/-X	TRANSISTOR		C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q854	2SC3928A/QR/-X	TRANSISTOR		C801	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
Q855	2SA1530A/QR/-X	TRANSISTOR		C802	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
Q858	2SC3928A/QR/-X	TRANSISTOR		C803	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
Q859	2SA1530A/QR/-X	TRANSISTOR		C804	NEHL1CM-476X	E CAPACITOR	47uF 16V M
Q862	2SC3928A/QR/-X	TRANSISTOR		C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q863	2SC3928A/QR/-X	TRANSISTOR		C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
Q901	2SC3074/OY/-X	TRANSISTOR		C807	NEHL1CM-476X	E CAPACITOR	47uF 16V M
Q902	2SC3074/OY/-X	TRANSISTOR		C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
QB613	2SC3928A/QR/-X	TRANSISTOR		C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
QB614	2SA1530A/QR/-X	TRANSISTOR		C813	NEHL1CM-476X	E CAPACITOR	47uF 16V M
D501	UDZS10B-X	Z DIODE		C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
D903	PTZ11B-X	Z DIODE		C818	NEHL1HM-106X	E CAPACITOR	10uF 50V M
D904	PTZ6.8B-X	Z DIODE		C819	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J
DB201	UDZS3.3B-X	Z DIODE		C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
DB601	1SS355-X	SI DIODE		C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
DB602	1SS355-X	SI DIODE		C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
DB603	1SS355-X	SI DIODE		C823	NCB31HK-153X	C CAPACITOR	0.015uF 50V K
DB605	1SS355-X	SI DIODE		C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
DB606	1SS355-X	SI DIODE		C825	NDC31HJ-180X	C CAPACITOR	18pF 50V J
DB701	MA8051/M/-X	Z DIODE		C826	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C827	NEHLQJM-107X	E CAPACITOR	100uF 6.3V M
C202	NEH71HM-225X	E CAPACITOR	2.2uF 50V M	C835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C203	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C204	NEZ0022-157X	E CAPACITOR	150uF 10V M	C851	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C205	NEHL1HM-105X	E CAPACITOR	1uF 50V M	C852	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C206	NCB11CK-105X	C CAPACITOR	1uF 16V K	C853	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C207	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C854	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C208	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C301	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C302	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C306	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C307	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C308	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C319	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C862	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C321	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C323	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C324	NCB11CK-105X	C CAPACITOR	1uF 16V K	C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C325	NCB11CK-105X	C CAPACITOR	1uF 16V K	C868	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C326	NCB11CK-105X	C CAPACITOR	1uF 16V K	C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C327	NCB11CK-105X	C CAPACITOR	1uF 16V K	C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C328	NCB11CK-105X	C CAPACITOR	1uF 16V K	C872	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C329	NCB11CK-105X	C CAPACITOR	1uF 16V K	C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C330	NCB11CK-105X	C CAPACITOR	1uF 16V K	C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C339	NCB11CK-105X	C CAPACITOR	1uF 16V K	C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C340	NCB11CK-105X	C CAPACITOR	1uF 16V K	C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C341	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C342	NCB31HK-472X	C CAPACITOR	4700pF 50V K	C878	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C343	NCB11CK-105X	C CAPACITOR	1uF 16V K	C879	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C346	NCB11CK-105X	C CAPACITOR	1uF 16V K	C880	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C349	NENA1EM-106X	BP E CAPACITOR	10uF 25V M	C881	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C355	NCB11CK-105X	C CAPACITOR	1uF 16V K	C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C356	NCB11CK-105X	C CAPACITOR	1uF 16V K	C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C357	NCB11CK-105X	C CAPACITOR	1uF 16V K	C884	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C403	NEHL1CM-476X	E CAPACITOR	47uF 16V M	C885	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C404	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C886	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C405	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	C887	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C406	NCB11CK-475X	C CAPACITOR	4.7uF 16V K	C888	NEHL1AM-107X	E CAPACITOR	100uF 10V M
				C889	NEHL1HM-106X	E CAPACITOR	10uF 50V M
				C890	NEHL1HM-106X	E CAPACITOR	10uF 50V M
				C891	NEHL1CM-476X	E CAPACITOR	47uF 16V M

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	R538	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C895	NDC31HJ-680X	C CAPACITOR	68pF 50V J	R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C904	NCB11AK-106X	C CAPACITOR	10uF 10V K	R540	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C905	NEHM1CM-476X	E CAPACITOR	47uF 16V M	R541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C911	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	R573	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C912	NEHL1CM-476X	E CAPACITOR	47uF 16V M	R574	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C913	NEX51CM-335X	E CAPACITOR	3.3uF 16V M	R575	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C914	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	R576	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C915	NEHL1CM-107X	E CAPACITOR	100uF 16V M	R577	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C916	NEX50JM-156X	E CAPACITOR	15uF 6.3V M	R578	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
CB613	NEHL1CM-106X	E CAPACITOR	10uF 16V M	R579	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
CB614	NEHL1CM-476X	E CAPACITOR	47uF 16V M	R580	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
				R581	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R582	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R583	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R203	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	R584	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R204	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R631	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R632	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R633	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R211	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R634	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R635	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R636	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R637	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R665	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R220	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R666	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R302	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R667	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R303	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R669	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R304	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R305	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R672	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R674	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R316	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R712	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R317	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R318	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R716	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R718	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R719	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R323	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R720	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R326	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R334	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R335	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R336	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R372	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J
R373	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R382	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R383	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R385	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R392	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R393	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R839	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R395	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R840	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R401	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R851	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R852	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R403	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R853	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R404	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R854	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R405	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R855	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R501	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R856	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R502	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R503	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R504	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R505	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R509	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R865	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R510	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R866	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R511	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R867	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R869	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R513	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R514	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R516	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R876	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R877	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R518	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R879	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R887	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R527	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R893	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R528	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R907	NRS12BJ-331W	MG RESISTOR	330Ω 1/2W J
R529	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R908	NRS12BJ-471W	MG RESISTOR	470Ω 1/2W J
R530	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R917	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R531	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	RB203	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R532	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RB303	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R533	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	RB304	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
RB305	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	IC9001	MP1580HS-X	IC	
RB401	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	IC9201	MP1580HS-X	IC	
RB402	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	Q0101	2SC3837K/NP/-X	TRANSISTOR	
RB502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0102	2SA1022/BC/-X	TRANSISTOR	
RB503	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0104	2SA1022/BC/-X	TRANSISTOR	
RB504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0107	2SA1530A/QR/-X	TRANSISTOR	
RB506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0108	2SC3928A/QR/-X	TRANSISTOR	
RB507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0109	HN1C01F/Y/-X	PAIR TRANSISTOR	
RB508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0110	HN1C01F/Y/-X	PAIR TRANSISTOR	
RB512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0201	2SC3837K/NP/-X	TRANSISTOR	
RB516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0202	2SA1022/BC/-X	TRANSISTOR	
RB601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0203	2SC3928A/QR/-X	TRANSISTOR	
RB602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0204	2SA1022/BC/-X	TRANSISTOR	
RB617	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	Q0207	2SA1530A/QR/-X	TRANSISTOR	
RB618	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	Q0208	2SC3928A/QR/-X	TRANSISTOR	
RB619	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	Q0209	HN1C01F/Y/-X	PAIR TRANSISTOR	
RB620	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	Q0210	HN1C01F/Y/-X	PAIR TRANSISTOR	
RB621	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	Q0301	2SC3837K/NP/-X	TRANSISTOR	
RB623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0302	2SA1022/BC/-X	TRANSISTOR	
RB624	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	Q0303	2SC3928A/QR/-X	TRANSISTOR	
RB801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0304	2SA1022/BC/-X	TRANSISTOR	
RB901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	Q0307	2SA1530A/QR/-X	TRANSISTOR	
L201	NQL914K-101X	COIL	100uH K	Q0308	2SC3928A/QR/-X	TRANSISTOR	
L807	NQR0413-003X	FERRITE BEADS		Q0309	HN1C01F/Y/-X	PAIR TRANSISTOR	
L808	NQR0413-003X	FERRITE BEADS		Q0310	HN1C01F/Y/-X	PAIR TRANSISTOR	
L809	NQR0413-003X	FERRITE BEADS		Q1001	UN2213-X	DIGI TRANSISTOR	
L851	NQL092K-6R8X	COIL	6.8uH K	Q1003	2SC3928A/QR/-X	TRANSISTOR	
L852	NQL092K-6R8X	COIL	6.8uH K	Q1004	2SA1530A/QR/-X	TRANSISTOR	
L853	NQL092K-6R8X	COIL	6.8uH K	Q1101	2SC3928A/QR/-X	TRANSISTOR	
L854	NQL092M-270X	CHIP P COIL	27uH M	Q1103	2SA1530A/QR/-X	TRANSISTOR	
L855	NQL904J-560X	COIL	56uH J	Q1201	2SC3928A/QR/-X	TRANSISTOR	
L861	NQL914K-220X	COIL	22uH K	Q1203	2SA1530A/QR/-X	TRANSISTOR	
L862	NQL914K-101X	COIL	100uH K	Q1301	2SC3928A/QR/-X	TRANSISTOR	
L863	NQL914K-101X	COIL	100uH K	Q1303	2SA1530A/QR/-X	TRANSISTOR	
L864	NQL914K-101X	COIL	100uH K	Q1401	2SC3928A/QR/-X	TRANSISTOR	
L865	NQL914K-220X	COIL	22uH K	Q1403	2SA1530A/QR/-X	TRANSISTOR	
L866	NQL914K-220X	COIL	22uH K	Q3001	2SC3928A/QR/-X	TRANSISTOR	
L867	NQL914K-220X	COIL	22uH K	Q3002	2SA1530A/QR/-X	TRANSISTOR	
L901	NQL52EM-220X	COIL	22uH M	Q3003	2SC3928A/QR/-X	TRANSISTOR	
L902	NQL52EM-220X	COIL	22uH M	Q3004	2SA1530A/QR/-X	TRANSISTOR	
L903	NQL52EM-220X	COIL	22uH M	Q7206	UN2213-X	DIGI TRANSISTOR	
L904	NQL52EM-220X	COIL	22uH M	Q7207	UN2113-X	DIGI TRANSISTOR	
CN001	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	D1001	EC30HA03L-X	SB DIODE	
CN002	QGF0508C1-30W	CONNECTOR	FFC/FPC (1-30)	D1002	EC30HA03L-X	SB DIODE	
CN00F	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	D2101	1SS355-X	SI DIODE	
CN00T	QGF0508C1-40W	CONNECTOR	FFC/FPC (1-40)	D7001	1SS355-X	SI DIODE	
CN0J1	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	D7002	MA8051/M/-X	Z DIODE	
CN0J2	QGF0508C1-50W	CONNECTOR	FFC/FPC (1-50)	D7003	RB501V-40-X	SB DIODE	
X201	CSB503F30-T2	C RESONATOR		D7005	UDZS8.2B-X	Z DIODE	
X801	NAX0621-001X	CRYSTAL	16.200MHz	D7006	UDZS8.2B-X	Z DIODE	
				D7007	UDZS8.2B-X	Z DIODE	
				D7008	UDZS8.2B-X	Z DIODE	
				D7009	UDZS8.2B-X	Z DIODE	
				D7203	1SS355-X	SI DIODE	
				D7204	1SS355-X	SI DIODE	
				D7210	RB501V-40-X	SB DIODE	
				D9001	EC30HA03L-X	SB DIODE	
				D9003	PTZ3.9B-X	Z DIODE	
				D9201	EC30HA03L-X	SB DIODE	
				D9203	PTZ3.9B-X	Z DIODE	
				D9204	1SS355-X	SI DIODE	

DIGITAL SIGNAL P.W. BOARD ASS'Y (SFP0D511A-M2)

△Ref No.	Part No.	Part Name	Description Local			
IC0401	SN74AHCT1G32V-X	IC		C0103	NDC31HJ-330X	C CAPACITOR 33pF 50V J
IC1001	TC90A92AFG	IC		C0105	NDC31HJ-270X	C CAPACITOR 27pF 50V J
IC1002	MM1572FN-X	IC		C0107	NCF31CZ-104X	C CAPACITOR 0.1uF 16V Z
IC1502	NJM2235V-X	IC		C0109	NCB11AK-106X	C CAPACITOR 10uF 10V K
IC3001	JCC5055	IC		C0110	NCB11AK-106X	C CAPACITOR 10uF 10V K
IC3004	TC7MB3257FK-X	IC		C0111	NDC31HJ-820X	C CAPACITOR 82pF 50V J
IC3005	SN74LVC1G08V-X	IC		C0112	NDC31HJ-820X	C CAPACITOR 82pF 50V J
IC3006	SN74LVC2G126T-X	IC		C0113	NCB11AK-106X	C CAPACITOR 10uF 10V K
IC3403	S-80928CLNB-W	IC		C0114	NCF31CZ-104X	C CAPACITOR 0.1uF 16V Z
IC3501	HY5DU283222AQ-5	IC		C0115	NCF31CZ-104X	C CAPACITOR 0.1uF 16V Z
IC3502	HY5DU283222AQ-5	IC		C0116	NCB11AK-106X	C CAPACITOR 10uF 10V K
IC3503	LP2996MR-X	IC		C0117	NDC31HJ-560X	C CAPACITOR 56pF 50V J
IC4001	JCC5057	IC		C0203	NDC31HJ-330X	C CAPACITOR 33pF 50V J
IC4003	AT29LV0146X776S	IC	(SERVICE)	C0205	NDC31HJ-270X	C CAPACITOR 27pF 50V J
IC4004	ATF256-42X776S1	IC	(SERVICE)	C0207	NCF31CZ-104X	C CAPACITOR 0.1uF 16V Z
IC4005	SN74LVC1G02V-X	IC		C0209	NCB11AK-106X	C CAPACITOR 10uF 10V K
IC6501	DS90C387VJD	IC		C0210	NCB11AK-106X	C CAPACITOR 10uF 10V K
IC7001	MN102H60KPG	IC(MCU)		C0211	NDC31HJ-820X	C CAPACITOR 82pF 50V J
IC7002	ATF256-42X776S2	IC	(SERVICE)	C0212	NDC31HJ-820X	C CAPACITOR 82pF 50V J
IC7401	S-80828CLNB-G-W	IC		C0213	NCB11AK-106X	C CAPACITOR 10uF 10V K
IC7601	M306V7MG-121FP	IC(MCU)		C0214	NCF31CZ-104X	C CAPACITOR 0.1uF 16V Z
IC7602	ATF16-42X776S	IC	(SERVICE)	C0215	NCF31CZ-104X	C CAPACITOR 0.1uF 16V Z
IC7603	SN74LVC1G04V-X	IC		C0217	NDC31HJ-560X	C CAPACITOR 56pF 50V J
IC7607	MM1510XN-X	IC				
IC7608	MM1510XN-X	IC				
IC7609	SN74AHCT1G08V-X	IC				

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C0218	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C1409	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C0303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C1502	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C0305	NDC31HJ-270X	C CAPACITOR	27pF 50V J	C1508	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C0307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C1509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C0309	NCB11AK-106X	C CAPACITOR	10uF 10V K	C1511	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C0310	NCB11AK-106X	C CAPACITOR	10uF 10V K	C2101	NCB21HK-104X	C CAPACITOR	0.1uF 50V K
C0311	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C3004	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0312	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C3006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0313	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3008	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	C3016	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0317	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0318	NDC31HJ-820X	C CAPACITOR	82pF 50V J	C3019	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0401	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3021	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C0519	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C3022	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C1001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3023	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1003	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3028	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C1004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1005	NCB31HK-152X	C CAPACITOR	1500pF 50V K	C3031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1008	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1009	NDC31HJ-220X	C CAPACITOR	22pF 50V J	C3040	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C1010	NDC31HJ-180X	C CAPACITOR	18pF 50V J	C3041	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1011	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C3042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3043	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3044	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1014	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1015	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1016	NCB11AK-106X	C CAPACITOR	10uF 10V K	C3049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3052	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1019	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3056	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3059	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C1023	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3060	NCB31HK-152X	C CAPACITOR	1500pF 50V K
C1025	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3063	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1026	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3065	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1028	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1029	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1030	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3068	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1031	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3069	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1032	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3070	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1033	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3071	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1034	NDC31HJ-390X	C CAPACITOR	39pF 50V J	C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1035	NDC31HJ-680X	C CAPACITOR	68pF 50V J	C3074	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3076	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1038	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3097	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3101	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1040	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3105	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1041	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	C3107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1043	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3406	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1046	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3501	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1047	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3503	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1048	NCB11CK-105X	C CAPACITOR	1uF 16V K	C3506	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1049	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3507	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1050	NCB11CK-105X	C CAPACITOR	1uF 16V K	C3508	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1051	NCB11CK-105X	C CAPACITOR	1uF 16V K	C3509	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1061	NDC31HJ-4R0X	C CAPACITOR	4pF 50V J	C3511	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1062	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	C3515	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1063	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	C3516	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1064	NCB31EK-103X	C CAPACITOR	0.01uF 25V K	C3517	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1065	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	C3518	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1066	NBE40JM-476X	TA E CAPACITOR	47uF 6.3V M	C3519	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1102	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3524	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1103	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3527	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1104	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C3530	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1105	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C3531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3532	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1109	NDC31HJ-151X	C CAPACITOR	150pF 50V J	C3533	NCB30JK-225X	C CAPACITOR	2.2uF 6.3V K
C1202	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3535	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1203	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3539	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1204	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C3540	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1205	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C3542	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z
C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C3543	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1209	NDC31HJ-151X	C CAPACITOR	150pF 50V J	C3548	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1302	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3549	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C1303	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C3550	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1304	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C3551	NBZ0007-107X	SP E CAPACITOR	100uF 4V M
C1305	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C3552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1306	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1309	NDC31HJ-151X	C CAPACITOR	150pF 50V J	C4003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1402	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C4005	NCB31AK-105X	C CAPACITOR	1uF 10V K
C1403	NDC31HJ-330X	C CAPACITOR	33pF 50V J	C4006	NCB31AK-105X	C CAPACITOR	1uF 10V K
C1404	NDC31HJ-560X	C CAPACITOR	56pF 50V J	C4008	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C1405	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C4009	NCB31AK-105X	C CAPACITOR	1uF 10V K
C1406	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C4010	NCB31AK-105X	C CAPACITOR	1uF 10V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C4011	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R0140	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C4012	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C4013	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C4016	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0206	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C4020	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0207	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R0208	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R0209	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C4029	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R0210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C4030	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R0211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C6013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0212	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
C6014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0216	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6015	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6501	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C6502	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0222	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C6503	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0225	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C6504	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0226	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C6505	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0227	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
C6506	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0228	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C6507	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0229	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C6508	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0231	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C6509	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0232	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C6510	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R0233	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C6523	NCB11AK-106X	C CAPACITOR	10uF 10V K	R0234	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7001	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0237	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
C7002	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0238	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7003	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R0240	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C7006	NDC31HJ-150X	C CAPACITOR	15pF 50V J	R0241	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7007	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0306	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C7017	NDC31HJ-391X	C CAPACITOR	390pF 50V J	R0307	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C7018	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0308	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C7025	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0309	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C7203	NCB31CK-473X	C CAPACITOR	0.047uF 16V K	R0310	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7401	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R0311	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7402	NCB31AK-105X	C CAPACITOR	1uF 10V K	R0312	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
C7601	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	R0316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7602	NDC31HJ-221X	C CAPACITOR	220pF 50V J	R0319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7603	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R0321	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7607	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R0322	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7608	NCB31HK-221X	C CAPACITOR	220pF 50V K	R0325	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C7609	NCB21AK-225X	C CAPACITOR	2.2uF 10V K	R0326	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7610	NCB31HK-681X	C CAPACITOR	680pF 50V K	R0327	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
C7611	NCB31HK-681X	C CAPACITOR	680pF 50V K	R0328	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7612	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R0329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C7613	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R0331	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7614	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R0332	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7615	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R0333	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7616	NCB11CK-105X	C CAPACITOR	1uF 16V K	R0334	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7617	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R0337	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
C7618	NCB11AK-106X	C CAPACITOR	10uF 10V K	R0338	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C7619	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R0340	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
C7621	NCB11AK-106X	C CAPACITOR	10uF 10V K	R0341	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7622	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R0501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9002	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R0502	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9004	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9005	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R0506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9007	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R0507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9008	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R0508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9010	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R0512	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9110	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R0516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9202	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R0517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R0518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9205	NCJ41CK-226X-U	C CAPACITOR	22mF 16V K	R0519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9207	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R0520	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9209	NEZ0022-157X	E CAPACITOR	150uF 10V M	R0522	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C9211	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R0523	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
				R0524	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
				R0525	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R0526	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R0527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R1001	NRSA63J-274X	MG RESISTOR	270kΩ 1/16W J
R0109	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R1002	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D
R0110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R0119	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R0121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R1010	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1011	NQL093K-R10X	COIL	0.1uH K
R0127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1012	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R0128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1013	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R0129	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1014	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1017	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R0132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1018	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R0133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R1019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0134	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R1021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R0137	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R1101	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R0138	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J				

(No.YA291)3-23

3-24(No.YA291)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R7689	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7690	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1003	NQL092K-1R5X	CHIP P COIL	1.5uH K
R7691	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	L1004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L1005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L1006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9003	NRSA63D-203X	MG RESISTOR	20kΩ 1/16W D	L1008	NQL79GM-220X	COIL	22uH M
R9004	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D	L1010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9005	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	L1011	NQL79GM-470X	COIL	47uH M
R9006	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L1101	NQL092K-6R8X	COIL	6.8uH K
R9007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L1102	NQR0489-002X	FERRITE BEADS	
R9008	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	L1103	NQL092K-1R0X	COIL	1uH K
R9111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	L1201	NQL092K-6R8X	COIL	6.8uH K
R9201	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L1203	NQL092K-1R0X	COIL	1uH K
R9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L1301	NQL092K-6R8X	COIL	6.8uH K
R9204	NRSA63D-272X	MG RESISTOR	2.7kΩ 1/16W D	L1303	NQL092K-1R0X	COIL	1uH K
R9205	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	L1401	NQL092K-6R8X	COIL	6.8uH K
R9206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	L1403	NQL092K-1R0X	COIL	1uH K
R9207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	L1501	NQL092K-4R7X	COIL	4.7uH K
R9208	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	L3001	NQR0489-002X	FERRITE BEADS	
R9209	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	L3005	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA1001	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	L3006	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA1002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	L3007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA1003	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	L3008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA2012	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	L3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA2013	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	L3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA3002	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	L3011	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA3004	NRZ0034-103W	NET RESISTOR	10kΩ 1/32W J x4	L3012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA3013	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L3501	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA3014	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L4001	NQR0413-003X	FERRITE BEADS	
RA3015	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L4002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA3016	NRZ0034-220W	NET RESISTOR	22Ω 1/32W J x4	L4003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA3018	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L6501	NQR0351-001X	FERRITE BEADS	
RA3020	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L6503	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA3022	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L6504	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA3023	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L6505	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA3024	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L6506	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA3025	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L6507	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA3026	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3028	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3030	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3032	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3502	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3506	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	L7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA3508	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L9001	NQL71EM-150X	COIL	15uH M
RA3512	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	L9201	NQL71EM-150X	COIL	15uH M
RA3516	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	CN001	QGF0508F1-50X	CONNECTOR	FFC/FPC (1-50)
RA3518	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	CN002	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
RA3521	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	CN005	QGB0603L1-B0	CONNECTOR	B-B (1-110)
RA3523	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	CN0FC	QGF0508F1-30X	CONNECTOR	FFC/FPC (1-30)
RA3526	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	J001	NNZ0117-001	HDMI CONNECTOR	DIGITAL IN
RA3530	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	J7001	QNS0001-001	3.5 JACK	AV COMPULINK
RA3531	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	K1001	NQR0489-002X	FERRITE BEADS	
RA3536	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	K1002	NQR0489-002X	FERRITE BEADS	
RA3540	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	K1003	NQR0489-002X	FERRITE BEADS	
RA3542	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	K1004	NQR0489-002X	FERRITE BEADS	
RA3545	NRZ0080-510X	NET RESISTOR	51Ω 1/16W J	K2104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA3547	NRZ0040-510X	NET RESISTOR	51Ω 1/16W J x4	K2106	NQR0489-002X	FERRITE BEADS	
RA4007	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K2107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA4008	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA4009	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K3006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA4010	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K3009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA4011	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K3010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
RA4012	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA6508	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA6509	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA6510	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA6511	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA6512	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA7601	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6007	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA7602	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA7603	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6009	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA7604	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RA7605	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	K6011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB7605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K6012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB7614	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K6013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB7615	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	K6014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0101	NQL092K-2R2X	COIL	2.2uH K	K6015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0201	NQL092K-2R2X	COIL	2.2uH K	K6017	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0204	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6019	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0301	NQL092K-2R2X	COIL	2.2uH K	K6020	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0302	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K6021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L0304	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	K7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L0401	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	LC0102	NQR0483-005X	EMI FILTER	100uF 25V Z
L1001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	LC0510	NQR0498-001X	EMI FILTER	

△Ref No.	Part No.	Part Name	Description Local
LC0511	NQR0498-001X	EMI FILTER	
LC0512	NQR0498-001X	EMI FILTER	
LC0513	NQR0498-001X	EMI FILTER	
LC0519	NQR0416-001X	EMI FILTER	240pF 16V M
SL7001	NAX0613-001X	C RESONATOR	
X1001	NAX0642-001X	CRYSTAL	
X3001	NAX0635-001X	CXO	
X3002	NAX0637-001X	CXO	74.1758MHz
X4001	NAX0669-001X	CRYSTAL	
X7601	NAX0613-001X	C RESONATOR	

RECEIVER P.W. BOARD ASS'Y (SFP0F507A-M2)

△Ref No.	Part No.	Part Name	Description Local
IC3101	CXA2205Q-X	IC	
IC3102	HA17558AF-X	IC	
IC3104	CD4066BNS-X	IC	
IC3105	HA17558AF-X	IC	
IC3106	TPS852-W	PHOTO CONDUCTOR	
Q3001	2SA1530A/QR/-X	TRANSISTOR	
Q3002	2SC3928A/QR/-X	TRANSISTOR	
Q3109	UN2212-X	DIGI TRANSISTOR	
Q3110	UN2212-X	DIGI TRANSISTOR	
Q3151	2SA1530A/QR/-X	TRANSISTOR	
Q3152	2SA1530A/QR/-X	TRANSISTOR	
C3001	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3002	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C3005	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3006	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3101	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3102	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3104	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3105	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3107	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3108	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3109	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C3110	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3111	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3112	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C3113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C3114	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3115	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3116	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C3117	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3118	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3119	NCB21CK-105X	C CAPACITOR	1uF 16V K
C3120	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3121	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3122	NCB11AK-335X	C CAPACITOR	3.3uF 10V K
C3123	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C3124	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C3125	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C3126	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3127	NCB31HK-562X	C CAPACITOR	5600pF 50V K
C3128	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
C3129	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3130	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3131	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3132	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3133	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3134	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3135	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3136	NCB21CK-105X	C CAPACITOR	1uF 16V K
C3144	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3145	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C3146	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3147	NCB11AK-475X	C CAPACITOR	4.7uF 10V K
C3149	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3150	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3151	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3155	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C3156	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C3157	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z
C3161	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3162	NCB11AK-106X	C CAPACITOR	10uF 10V K
C3163	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
R3001	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R3003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J

△Ref No.	Part No.	Part Name	Description Local
R3005	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3006	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R3007	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3018	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3111	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3112	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3113	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3114	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3116	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3117	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3119	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J
R3122	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R3123	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J
R3125	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R3126	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3127	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R3128	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R3129	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R3131	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R3132	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3133	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R3150	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3153	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R3156	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3158	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R3159	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R3160	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R3162	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3163	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3164	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3165	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R3166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R3176	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R3191	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
L3001	NQL79GM-100X	COIL	10uH M
L3002	NQL79GM-100X	COIL	10uH M

△TU3001 QAU0378-001 TUNER

AV JACK P.W. BOARD ASS'Y (SFP0J507A-M2)

△Ref No.	Part No.	Part Name	Description Local
Q2051	UN2226-X	DIGI TRANSISTOR	
Q2052	UN2226-X	DIGI TRANSISTOR	
Q2055	UN2110-X	DIGI TRANSISTOR	
Q2203	DTC323TK-X	DIGI TRANSISTOR	
Q2204	DTC323TK-X	DIGI TRANSISTOR	
Q2205	2SA1037AK/QR/-X	TRANSISTOR	
D2053	MA8100-X	Z DIODE	
D2054	MA8100-X	Z DIODE	
D2201	UDZS10B-X	Z DIODE	
D2202	UDZS10B-X	Z DIODE	
D2203	UDZS10B-X	Z DIODE	
D2205	UDZS10B-X	Z DIODE	
D2206	UDZS10B-X	Z DIODE	
D2207	UDZS10B-X	Z DIODE	
D2208	UDZS10B-X	Z DIODE	
D2209	UDZS10B-X	Z DIODE	
C2001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2003	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
C2005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2007	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C2009	NRS181J-0R0X	MG RESISTOR	0Ω 1/8W J
C2011	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2012	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2014	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2015	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2016	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2017	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2018	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2019	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2020	NCB11AK-106X	C CAPACITOR	10uF 10V K
C2051	NCB11CK-225X	C CAPACITOR	2.2uF 16V K

△Ref No.	Part No.	Part Name	Description Local
C2052	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2055	NCB11CK-105X	C CAPACITOR	1uF 16V K
C2201	NCB11CK-105X	C CAPACITOR	1uF 16V K
C2202	NCB11CK-105X	C CAPACITOR	1uF 16V K
C2203	NCB11CK-105X	C CAPACITOR	1uF 16V K
C2204	NCB11CK-105X	C CAPACITOR	1uF 16V K
C2205	NCB11CK-105X	C CAPACITOR	1uF 16V K
C2206	NCB11CK-105X	C CAPACITOR	1uF 16V K
C2207	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2209	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2210	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2213	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C2214	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
R2001	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2002	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2004	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2005	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2006	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2007	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2008	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2009	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2010	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2011	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2012	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2013	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2051	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2052	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R2053	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R2054	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2055	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2056	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2057	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2058	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R2059	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2060	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2061	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R2062	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R2065	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2066	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2069	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2071	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R2202	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2203	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2204	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2205	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2207	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2208	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2209	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R2210	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R2216	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2217	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2218	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R2219	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2220	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R2221	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R2222	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
J2001	QNZ0700-001	AV JACK	INPUT-1/3
J2003	QNN0646-001	PIN JACK	INPUT2 COMPONENT
J2004	QNN0642-001	PIN JACK	INPUT2 CENTER CH/AUDIO IN
J2005	QNN0646-001	PIN JACK	INPUT1 COMPONENT
J2006	QNZ0699-001	AV JACK	MONITOR/REC OUT
J2007	QNN0647-001	PIN JACK	AUDIO OUT

ATSC TUNER MODULE P.W. BOARD ASS'Y (SSD2101A)

△Ref No.	Part No.	Part Name	Description Local
△MD001	SSD2101A	ATSC TUNER MODULE PWB	

REMOTE CONTROL UNIT PARTS LIST (RM-C14G-1H)

△	Ref No.	Part No.	Part Name	Description	Local
		UR77EC1403A	BATTERY COVER		

PACKING PARTS LIST

△	Ref.No.	Part No.	Part Name	Description	Local
	1	LC21674-002A-A	PACKING CASE	TOP	
	2	LC21673-001A-A	PACKING CASE	BOTTOM	
	3	LC12002-001A-A	CUSHION ASSY	6pcs in 1set	
	4	LC30236-007A	POLY BAG		
	5	LC41035-003A	POLY BAG		
	6	LC41035-005A	POLY BAG		
	7	QPA02503505P	POLY BAG	25cm x 35cm	
△	8	LCT1823-001A-A	INST BOOK	English	
△	9	LCT1824-001A-A	INST BOOK	French	
△	10	QMPE390-180-JC	POWER CORD(US/CA)	1.8m BLACK	
	11	LCT1757-001A-A	CAUTION BOOK		
	12	RM-C14G-1H	REMOCON		
	13	BT-51034-2Q	REGIST. CARD		
	14	-----	WARRANTY CARD	BT-52006-2Q	
	15	QAM0523-003	RF CABLE	30cm(x2)	
	16	QPA01002203	POLY BAG	10cm x 22cm	
	17	-----	BATTERY	R6P/AA(x2)	
	18	QAU0382-002	RF SPLITTER		
	19	LC21714-001A-A	TOP BOTTOM PAD	(x2)	
	20	-----	CORNER LABEL	2pcs in 1set	

PACKING

